

GENEVA FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
WHO Collaborating Centre in Education and Research in Human Reproduction

COOPERATION PROGRAMME: Lao PDR FIRST SESSION REPORT (2009-2010)

Ministry of Health, Lao PDR, University of Health Sciences and Geneva Foundation for Medical Education and Research with the financial and technical support of UNFPA Country Office

1. Background

The Geneva Foundation for Medical Education and Research (GFMER) is a non-profit organisation, co-sponsored by the Department of Health of the Canton of Geneva, Switzerland, the Department of Social Affairs of the City of Geneva, the Geneva University Faculty of Medicine and the Geneva Medical Association. It works closely with the World Health Organization (WHO) with the status of a WHO Collaborating Centre in Education and Research in Human Reproduction. The Foundation actively mobilizes resources, both technical and financial, from the public and private sectors. The Geneva Foundation for Medical Education and Research has a mandate to address challenges, such as:

- organization of training programmes in Research Methodology, Epidemiology, sexual and reproductive health, and in other medical and public health areas
- dissemination of training courses in other countries
- support for researchers to plan, conduct and publish their scientific work
- dissemination of medical information on Internet
- development of clinical guidelines for use in clinical training programmes

The Geneva Foundation for Medical Education and Research capitalises on over a decade of existence and several years of activities with the World Health Organization's Collaborating Centre in Human Reproduction. Its individual members are mostly Geneva-based health and education experts who freely give their time and use their professional experience to advance medical research in developing countries.

The Faculty of Postgraduate Studies & Research is one of seven faculties of the University of Health Sciences and is the principal partner in the Lao-GFMER cooperation programme. Its role in postgraduate training of health professionals, including in medicine and public health, is combined with providing research services to different sectors within the University itself and to other facilities within the Ministry of Health. Specifically, the Faculty is turning out post-graduates in major specialties including Pediatrics, Internal medicine, Family medicine, Obstetrics & Gynecology, Surgery, Anesthesiology, Rehabilitation, Ophthalmology, Radio-imaginary, Medical biology. The Faculty delivers Masters programmes in Public Health, Dental Public Health and Oral Infection.

The goal of the Faculty of Postgraduate Studies & Research is to provide the capacity-building competence of the University, so as to enable health staff obtain postgraduate training in medicine and in public health. In its other role to oversee research activities within the University of Health Sciences, it seeks to build research capacity and create a supportive research environment within the University, especially in the specialist field of Sexual and Reproductive Health. The Faculty has carried out research in Maternal and Child Health, Sexual and Reproductive Health care, Tobacco Control, Tropical diseases and other health issues of relevance in Laos.

Additionally, the long-term mission is to improve the quality of life of the people of the Lao PDR by ensuring good quality of care and decreasing the maternal and child mortality and morbidity.

According to the constitution of the University of Health Sciences, staff must conduct teaching, deliver services and carry out research. Thus, the Faculty of Postgraduate Studies & Research has entered in to collaboration agreements, including with the Geneva Foundation for Medical Education and Research. The purpose of this agreement is to develop the course schedule for a training course in research methodology focused on Sexual and Reproductive Health. The intended audience of the course is drawn from mid-level and senior health professional staff working in the area of Sexual and Reproductive Health (SRH) and providing SRH services.

2 Course Objectives

The training is designed to strengthen research capacity in order for health professional staff to apply research principles in improving the SRH care given in the facilities where they work. An additional design aspect was to develop the course curriculum in a manner relevant to the Lao-cultural context thereby strengthening the technical and research capacity of health staff working in the SRH care delivery. Specific objectives developed by the course scientific board include:

- To develop the capacity of mid-level and senior health care professions in Lao PDR to:
- Critically appraise studies conducted in the area of sexual and reproductive health in order to be able to make judgments on applicability of findings in the Lao context and assess potential for replicating such studies in Laos.
- Prepare sound research proposal in the area of Sexual and Reproductive Health
- Conduct small-scale research in the field of Sexual and Reproductive Health

In addition, the course will contribute to the capacity building potential of the University of Health Sciences and its related constituencies:

- to enable them to conduct and supervise research in the area of sexual and reproductive health
- prepare future researchers
- progressively become a centre of excellence.

3 Training venue

The training course was carried out at the campus of the University of Health Sciences, organized sessions took place in the faculty of Postgraduate Studies, in rooms equipped for presentation. In collaboration with the Geneva Foundation for Medical Education and Research, certain sessions and most teaching material was provided online at www.gfmer.ch

The language of instruction in higher education in public is an important question in terms of human resources capacity building for the Ministry of Health. The choice of English for the research methodology course is based on this aspect of the national policy

4 Participants

Fifteen (15) participants attended, from the University of Health Sciences, Mahosot hospital, Mitaphab hospital, Mother and Child hospital, 103 hospital, Mother and Child Center, and Vientiane Capital Health Department. Attendance was consistently high (one or two very occasional absences). A list of participants can be found in Annex-1.

5 Teaching Process and Training Methodologies

National lecturers came from the University of Health Sciences, Mahosot Hospital, Seththathirath Hospital, Mitaphab Hospital, Mother and Child Hospital, Ministry of Health, Mother and Child Center, Department of Food and Drugs, Department of Vientiane Capital Health Department, Lao Women Union.

International invited lecturers attended from WHO, UNFPA, and GFMER. External faculty members from the USA (University of Seattle) and Thailand (Chulaongkone University). A total of 35 professors gave lectures. Three days were devoted to research projects with the help of one or two GFMER experts always on hand.

The training was divided in four blocks each lasting approximately one teaching week (Monday – Friday).

- Block 1 : 1st week of September 2009
- Block 2 : 2nd week of October 2009
- Block 3 : 1st week of November 2009
- Block 4: 4th week of February 2010 and 1st week of April 2010

A combination of teaching and training method was used as applicable and relevant to post-graduate education. The main teaching method was lecture combined with group work and exercises following the lecture. The emphasis on adult and active learning approaches was stressed in the “teaching the teachers” briefing provided before the course. The teaching support material used included the following:

- Videos (pre-recorded and recordings of participants at work)
- Speakers and lecturers notes, provided by national and international experts
- Student seminars and presentations transcripts for peer review
- Literature reviews
- Individual student assignments
- Books (a small selection of books and manuals covering mostly research methods in epidemiology and public health was added to the library of the faculty by means of an ad hoc donation by the Swiss Tropical and Public Health Institute, Basel)

6 Course curriculum:

The training curriculum consisted of 10 modules as following:

Module 1: Introduction to Sexual and Reproductive Health Research Methodology

Module 2: Principles of Reproductive Health

Module 3: Principles of Epidemiology

Module 4: Anatomy and physiology refresher

Module 5: Family planning

Module 6: STI/HIV/AIDS

Module 7: Endocrinology-Infertility

Module 8: Risk in Pregnancy in Laos

Module 9: Basic Oncologic Gynecology

Module 10: Practical Considerations for Conducting Research

Module 1: Research Methodology Learning Objectives:

By the end of this module, the course participants were able to:

- Discuss the merits and demerits of conducting Randomized Control Studies in RH
- Identify the steps to be taken in designing and conducting research
- Retrieve and critically review relevant research articles and other materials useful in RH research
- Discuss the merits and applicability of different research methodologies and tools including survey, questionnaire, enquiry methods, participant observations, and etc..
- Distinguish the difference between qualitative and quantitative methodologies
- Identify the steps to be taken to conduct a systematic review (with introduction to Cochrane Review Methodology)
- Formulate a research hypothesis
- Discuss the ethical considerations that would be applied to research in the areas of sexual and reproductive health

	Topic	29 hours	Lectures
1	Introduction to research methodology in health and medicine	2	Dr. R. Thomson, Geneva
2	Research identification and selection	2	Dr. R. Thomson, Geneva
3	Literature review	1	Dr. Kethkesone Phrasisombath, UHS
4	Formulation of research question and conceptual framework	2	Dr. R. Thomson, Geneva
5	Sample size and sampling method	2	Dr. Kethkesone Phrasisombath,
6	Data and variables, questionnaire design	3	Mr Kongmany Chalernvong,
7	Data Collection and analysis planning	4	Mr Kongmany Chalernvong,
8	Ethical consideration in research	1	Dr. Souphaxay Douangchack, WHO
9	Social Sciences Methods in RH(Qualitative techniques)	4	Dr. Amphoy Sihavong, HMC Dr. Lumphone Sihakhang, MOH
10	Community method of research	4	Dr. R. Thomson
11	How to write research proposal	2	Dr. Kethkesone Phrasisombath,
12	Report writing	2	Dr. Aphoy Sihavong, HMC

Module 2: Principles of Reproductive Health Learning Objectives:

By the end of this module, the course participants were able to:

- Discuss the definitions of Reproductive Health, Sexual and Reproductive Health
- Distinguish between a Public Health perspective and a Human Rights perspective to RH
- Critically review the situation of RH in Lao PDR with reference to Lao RH Survey 2005
- Discuss the role of RH in meeting the Lao PDR MDGs
- Discuss the determinants that impact on Maternal Mortality in Lao PDR and identify current gaps in knowledge
- Critically review the current Policies for RH, MNCH in Lao PDR, including the New MNCH Strategy and Plan
- Critically review the available research on increasing woman's participation in improving reproductive health.
- Review the current evidence for increasing male participation in RH programmes especially for safe motherhood

Session	Topic	10 hours	Lectures
1	Concept of RH/RH law maternal mortality and morbidity/vital statistics	2	Dr. Della Sharrat, UNFPA
2	National Strategies in maternal mortality reduction	1	Dr. Manisone Oudom, MCC
3	Maternal and Child Health Package	1	Dr. Manisone Oudom, MCC
4	MCH policy MMR, IMR in Lao PDR	1	Dr. Somchit Akhavong, MOH
5	Issues on accessibility to RH	1	Dr. Khamsay Chanthavisouk, MCH
6	Gender and rights in RH care	2	Ms. Mariolein Coren, UNFPA
7	Participation of women in solving their health problems	2	Dr. Douangsamone Daravong, LWU

Module 3: Principles of Epidemiology Learning objectives:

By the end of this module, the course participants were able to:

- Discuss the concepts of epidemiology and its application to Reproductive Health, Sexual and RH
- Identify and select the appropriate design for epidemiological research and intervention
- Discuss the basic statistical theory
- Identify and apply statistical techniques with technical competence
- Process computing skills to manage and analyze data sets

Session	Topic	36 hours	Lectures
1	Introduction to epidemiology	2	Dr. Angkham Ounavong, UHS
2	Measurement in Epidemiology: Frequency, Association, Impact	2	Dr. Mayfong Mayxai, UHS
3	Study design in Epidemiology Descriptive, analytical	4	Dr. Visanou Hansana, UHS
4	Intervention Study (Clinical Trial)	2	Dr. Mayfong Mayxai, UHS
5	Screening	2	Dr. Visanou Hansana, UHS
6	Medical Statistics STATA, SPSS	8	Mr. Kongmany Chalernvong, UHS
7	Descriptive Statistics	4	Mr. Kongmany Chalernvong, UHS
8	Inferential Statistics	4	Chulaongkone University
9	Non parametric Statistics	4	Chulaongkone University

Module 4: Anatomy-Physiology refresher. Learning Objectives:

By the end of this module, the course participants were able to:

- Identify anatomy-physiology of female and male reproductive tracts
- Compare and identify anatomy-physiology of puberty and menopause
- Review and discuss Sexual Dysfunction

Session	Topic	6 hours	Lectures
1	Anatomy of male and female reproductive tract	1	Assoc.Prof.Dr.Sing Menorath, UHS
2	Physiology of (F/M) reproductive tract	1	Assoc.Prof.Dr.Sing Menorath, UHS
3	Physiology of puberty and Menopause	2	Dr. Raphin Mixayphon, Mittaphab H.
4	Sexual Dysfunction	2	Dr. R. Thomson

Module 5: Family Planning Learning Objectives:

By the end of this module, course participants will be able to:

- Discuss current FP services in Laos, identify knowledge gaps in contraception prevalence in Laos
- Discuss the recent research on hormonal methods of family planning, including the mechanisms by which they work in the body
- Review the process for counselling couples who come for Family Planning services
- Review the available EIC materials available for assisting in counselling to identify any areas of further research needed to be improved these materials.
- Critically review a recent research paper or systematic review of one family planning method
- Discuss the reasons for contraceptive failure and options available to women with contraceptive failure in Lao PDR (including formal and traditional methods).

Session	Topic	17 hours	Lectures
1	National RH policies in Lao PDR	1	Dr. Kaisone Chounlamany, MCC
2	Interpersonal Communication and contraception counselling	3	Dr. R. Thomson, Geneva
3	Specificity of adolescent RH	2	Dr. R.Thomson, Geneva
4	Hormonal Contraception	2	Dr. Ted Doughten, USA
5	Barrier Contraception	1	Dr. Amphoy Sihavong, MHC
6	Permanent Contraception	2	Dr. Sitthipaseuth, Mahosoth H.,
7	Qualitative research on Family Planning	2	Dr. Khamsay Chanthavisouk, MCH
8	Unsafe abortion and public health aspect	2	Dr. Ted Doughten, USA
9	Spontaneous and induced abortion	2	Dr. Anan Sacdpraseuth, Mahosoth

Module 6: STI/HIV and AIDS Learning Objectives:

By the end of this module, the course participants were able to:

- Identify the barriers related to reproductive health
- Exchange information about reproductive health areas based on the participants' knowledge
- Classify maternal and child health problems within Lao context and to analyze specific MNCH
- Apply knowledge and skill of MNCH in their works
- Understand social factors related to reproductive health issues

Session	Topic	13 hours	Lectures
1	Non ulcerative STI	2	Dr. Amphoy Sihavong, MHC
2	Ulcerative STI	2	Dr. Raphin Mixaipohnh
3	HIV/AIDS (clinical aspect) and public health	2	Dr. Ted Doughten, USA
4	Protection Mother and Child transmission	2	Dr. Sivixay Thammalangsy
5	PCMT Concept National guidelines and Research	3	Dr. Khamsay Chanthavisouk, MCH
5	Social Research with vulnerable populations	2	Dr. R.Thomson

Module 7: Endocrinology-Infertility Learning Objectives :

By the end of this module, the course participants were able to:

- Review and discuss of sex steroid hormone, amenorrhea
- Indentify dysmenorrhea and endometriosis
- Discuss and exchange of infertility assisted reproductive techniques

Session	Topic	10 hours	Lectures
1	Review of Sex Steroid Hormone	2	Dr. Alongkone Phengsavanh, UHS
2	Pattern menstruation and abnormal	2	Dr. Raphin Mixaipohnh, Mittaphab H.
3	Amenorrhea	2	Dr. Raphin Mixaipohnh, Mittaphab H.
4	Dysmenorrhoea and endometriosis	2	Dr. Anan Sacdpraseuth, Mahosoth H.
5	Infertility assisted reproductive techniques	2	Dr. Anan Sacdpraseuth, Mahosoth H.

Module 8: Risk and Pregnancy in Laos Learning Objectives:

By the end of this module, the course participants were able to:

- Discuss the rationale for and evolution of evidence -based practice in medicine and health care
- Review the recent evidence and WHO Statements on prevention and treatment of PPH
- Discuss the impact of prevalence of anemia in pregnancy in Lao PDR and possible methods to increase validity and reliability of current data on prevalence rates
- Review the most recent evidence on hypertension in pregnancy including use of magnesium sulphate for treatment of severe pre-eclampsia and eclampsia
- Discuss how research can help change clinical practice and difficulties implementing evidence-based practice

Session	Topic	10 hours	Lectures
1	Anaemia during pregnancy, malnutrition	2	Dr. Alongkone Phengsavanh, UHS
2	Infection during pregnancy	2	Dr. Alongkone Phengsavanh, UHS
3	Hypertensive disorders during pregnancy	2	Dr. Phouksavanh Soukhaphon
4	Vaginal bleeding during pregnancy	2	Dr. Bounthieng Aphay, Settathirath H.
5	Per natal and neonatal aspect	2	Dr. Alongkone Phengsavanh, UHS

Module 9: Basic Oncology in Gynaecology Learning Objectives :

By the end of this module, the course participants were able to:

- Discuss current research on causes, diagnosis and treatments for cervical cancer including screening services
- Discuss the current evidence on causes and treatments for menstrual disorders
- Discuss the current evidence on causes and treatments for sexual dysfunction in males and females
- Discuss the current research on screening diagnosis and treatments of breast cancer

Session	Topic	8 hours	Lectures
1	Cervical Cancer (Screening and management)	2	Dr. Keokethong, Settathirath H.
2	Breast Cancer (Screening and management)	2	Dr. Keokethong, Settathirath H.
3	Gynaecological Cancer	2	Dr. Keokethong, Settathirath H.
4	Palliative care and support (Pain management)	2	Dr. Alongkone Phengsavanh,

Module 10: Practical Considerations for Conducting Research Learning Objectives :

By the end of this module, the course participants were able to:

- Discuss major issues in data management
- Discuss major issues in data cleaning
- Writing Research proposal
- How to get funding, funding sources
- How to present research proposal and /or findings

Session	Topic	12 hours	Lectures
1	Presentation (03 topics)	3	Participants
2	Group discussion (Peer review)	3	Dr. R. Thomson
3	Self-Learning and continuing medical education credit in Research: Identification of Topics	2	Dr. R. Thomson
4	Open House	2	Dr. R. Thomson
5	Research use in Advocacy and Policy	2	Dr. R. Thomson

7. Conclusion:

This is the first short collaborative course of its type which had been carried out within the University of Health with UNFPA as a financial and technical partner. Previously, most health staff had been trained overseas which was expensive and not cost-effective. The content of the course curriculum was relevant in the Lao-cultural context, while using the expertise of national and international lecturers. The short course training of 10 modules, the participants' knowledge of research methodology especially in reproductive health increased as shown in the post-test results and in the assignment and group exercises. Their presentations were well received. In addition, the participants took an examination assessing their acquired knowledge related to the modules such as on research methodology, epidemiology and SRH topics.

The output of this training was the development and presentation of three research proposals by the participants working in three groups as following:

- Family Planning and Human Rights: experiences of reproductive age women in family planning utilization in four central hospitals of Vientiane Capital, Lao PDR and male perception of such family planning utilization
- Why do Lao youth (15-24) seek abortion rather than contraception? Some reasons found in Vientiane capital
- Risk awareness during pregnancy among pregnant women attending ante-natal clinic in Vientiane

8 Challenges:

The organizers and partners faced some challenges in this first short training course on SRH. In order to better assess and cope with them, a meeting of the scientific board was held to assess the challenges.

Strengths

Approval from the DOP, MOH and the President of the University of Health Sciences

Commitment of the committee members responsible for this training course, in particularly the Faculty of Postgraduate Studies.

Financial support by Swiss partners and UNFPA in Lao PDR.

Good collaboration from national and international lecturers with SRH experience

Weaknesses

Time availability of some lecturers both national and international was limited

Short advanced time notice available for inviting some guest lecturers

A few participants cannot attend the whole courses due to their other commitments.

Block teaching is good; however, the interval between block was longer, so participants cannot adapt their time for this teaching schedule

English language proficiency a barrier to active participation and communication in the learning process and sharing their experiences

The future responsibilities of the Post-graduate institute in training of trainers for capacity building and technical transfer within the overall Ministry of Health structure are still being determined.

The impact of the course will be limited unless the participants, who are senior health officials and / or hold academic posts themselves, are mandated or designated as future trainers

Recommendation

Future training schedule should be organized continuously with 10 modules without intervals.

There should be a good selection of participants with SRH experiences and English proficiency.

The participants should be from other provinces, not just from the Vientiane Capital City.

Follow up the participants in order to encourage them to conduct the small research in their practice.

9. Budgets

The session 2009-2010 budget amounted to **US\$ 84'101** (Annex – 4)

The provisional budget for 2010 -2011 session is **US \$ 75'000**.

10. Research project support

- US \$ 5,000 initially for each revised proposal
- Make available between US \$ 15,000 and US \$60,000 for allocation to (3 – 4 research groups) per year
- Add about US \$15,000 for research supervision

Faculty of Postgraduate Studies

University of Health Sciences

Signed; Dr. V.Sychareun

Dean

Dated: Vientiane, _____ September 2010

Geneva Foundation for Medical

Education and Research

Signed: Y.-M. Ebinger

Course Director

Dated: Geneva, _____ September 2010

List of participants

1. Dr. Sysavanh PHOMMACHANH	Faculty of postgraduate (UHS)
2. Dr. Viraseng RAJPHO	University of health science (UHS)
3. Dr. Vatsana THUMMAVONGSA	Faculty of postgraduate (UHS)
4. Dr. Chansathit TAIKEOPHITHOUN	University of health science (UHS)
5. Dr. Ngernson XIACHILOR	Faculty of postgraduate (UHS)
6. Dr. Philavone THIRASCK	Mother and Child Health Center (MCHC)
7. Dr. Vongchanh PHANOUVONG	Department of Health Vientiane Capital
8. Dr. Souksavanh SYSAMAY	Mother and Child Health Center (MCHC)
9. Dr. Siphonh SISOMVANG	Mittaphab Hospital
10. Dr. Thatsavisouk INSISIENGMAY	Hospital 103
11. Dr. Soudavanh SOYSOUVANH	Faculty of postgraduate (UHS)
12. Mrs. Anousone SISOLATH	College of Health Technology (CHT)
13. Dr. Touy CHANTALUNGSY	Mother and Child Health Hospital (MCHH)
14. Dr. Sakpraseuth ANAN	Mahosot Hospital
15. Dr. Phouthalath PANYASITH	Mother and Child Health Hospital (MCHH)

Training Course in Reproductive Health Research - Vientiane 2009 - 2010

COURSE CURRICULUM - MOH Decree 256 Lao PDR

WEEK-1 (41h)		21 - 29 September	
MODULE 1 and MODULE 2		41	Lecturer
Opening Ceremony			
RESEARCH METHODOLOGY AND PRINCIPLES OF REPRODUCTIVE HEALTH			
Introduction to research methodology	2	Dr. R. Thomson (GFMER)	
Research identification and selection	2	Dr. R. Thomson (GFMER)	
Literature Review	2	Dr. K. Phrasisombath , UHS	
Formulation , conceptual framework	2	Dr. R. Thomson (GFMER)	
Sample size, sampling methods	2	Dr. K. Phrasisombath , UHS	
Concept of Reproductive Health	2	Mrs. D. Sherrat (UNFPA)	
MCH Policy MMR, IMR in Lao PDR	1	Dr. S.Akhavong, MOH	
Community Methods of research	4	Dr. R. Thomson (GFMER)	
How to write research proposal	2	Dr. K. Phrasisombath , UHS	
Participation of women in solving their their problem of health	2	Dr. D. Daravong, LWU	
Issues on accessibility to reproductive health	2	Dr. K. Chanthavysouk, MCH	
Data and variable and questionnaire design	3	Mr. K. Chalernvong, UHS	
Data collection and plan for analysis	4	Mr. K. Chalernvong, UHS	
Maternal and Child Health Package	1	Dr. M. Oudom, MCC	
National strategies in maternal mortality	1	Dr. M. Oudom, MCC	
Ethic Consideration in Research	1	Dr. S. Douangchack, WHO	
Report writing	2	Dr. A. Sihavong, HMC	
Social Sciences Methods in Reproductive health (Qualitative techniques)	4	Dr. L. Sihakhang, MOH	
Gender and right in reproductive health	2	Mrs M.Coren (UNFPA)	

WEEK -2 (34h)		12 - 26 October	
MODULE -3		34	Lecturer
PRINCIPLE OF EPIDEMIOLOGY			
Introduction to Epidemiology	2	Dr. A. Ounavong	
Screening	2	Dr. V. Hansana	
Measurement in Epidemiology Frequency, Association, Impact	4	Dr. M. Mayxay	
Study design in Epidemiology Descriptive, Analytical	4	Dr. V. Hansana	
Intervention Study (Clinical trial)	2	Dr. M. Mayxay	
Medical Statistics STATA, SPSS	4	Mr. K. Chaleunvong	
	4		
Descriptive statistics	4	Mr. K. Chaleunvong	
Inferential Statistics	4	Ms. U.Perngparn (WHO, UPH)	
Non parametric statistics	4	Ms. U.Perngparn (WHO, UPH)	

WEEK-3 (36h)		23 - 27 November	
MODULE 4		6	Lecturer
ANATOMY - PHYSIOLOGY			
Anatomy of (F/M) reproductive tract	1	Pr. Sing Menorath,	
Physiology of (F/M) reproductive system	1	Pr. Sing Menorath,	
Physiology of puberty and menopause	2	Dr. Mixayphon	
Sexual Dysfunction	2	Dr. R. Thomson (GFMER)	
MODULE 5		17	Lecturer
FAMILY PLANNING			
National RH policies in Lao PDR	1	Dr. Kaisone	
Hormonal contraception	2	Dr. T. Doughten (Seattle Univ.)	
Barrier contraception	1	Dr. Sihavong	
Permanent contraception	2	Dr. Blanchith	
Interpersonal communication and contraception counselling	3	Dr. R. Thomson (GFMER)	
Specificity of adolescent RH	2	Dr. R. Thomson (GFMER)	
Qualitative Research on Family Planning	2	Dr. Khamsay	
Spontaneous and induced abortion	2	Dr. Sacdapraseuth	
Unsafe abortion and Public Health aspects	2	Dr. T. Doughten (Seattle Univ.)	
MODULE 6		13	Lecturer
STI / HIV / AIDS			
Non ulcerative STI	2	Dr. Sihavong	
Ulcerative STI	2	Dr. Mixayphon	
HIV / AIDS (Clinical and Public Health aspects)	2	Dr. T. Doughten (Seattle Univ.)	
Protection Mother and Child transmission	2	Dr. Thammalangsy	
PCMT Concept National guidelines and Research	3	Dr. Khamsay (MCHH)	
Social Research on vulnerable populations	2	Dr. R. Thomson (GFMER)	

WEEK-4 (44h)		February-March 2010	
MODULE 7		10	Lecturer
ENDOCRINOLOGY - INFERTILITY			
Review of sex steroid hormone	2	Dr. Alongkhone	
Pattern of menstruation and abnormal uterine bleeding (Puberty, RA, menopause)	2	Dr. Raphin, Mittaphab	
Amenorrhoea	2	Dr. Raphin, Mittaphab	
Dysmenorrhoea and endometriosis	2	Dr. Anan Sacdpraseuth, Mahosoth	
Infertility, assisted reproductive techniques	2	Dr. Anan Sacdpraseuth, Mahosoth	
MODULE 8		10	Lecturer
RISK OF PREGNANCY IN LAOS			
Anaemia during pregnancy, malnutrition	2	Dr. B.Bouthone (MOH_VTN)	
Infection during pregnancy	2	Dr. Alongkone Phengsavanh	
Hypertensive disorders during pregnancy	2	Dr. Soukhaphon	
Vaginal bleeding during pregnancy	2	Dr. Bounthieng Aphay, Settathirath	
Perinatal and neonatal aspects	2	Dr. Alongkone Phengsavanh	
MODULE 9		8	Lecturer
BASIC ONCOLOGIC GYNAECOLOGY			
Cervical Cancer (screening and management)	2	Dr. Keokedthong	
Breast Cancer (Screening and management)	2	Dr. Keokedthong	
Gynaecological cancers	2	Dr. Keokedthong	
Palliative care and support (Pain management)	2	Dr. Alongkone Phengsavanh	
MODULE 10 (OPEN)		16	Lecturer
Topics			
Continuing Education	4	Dr. R.Thomson (GFMER)	
Open House	4	Dr. R.Thomson (GFMER)	
Project proposal presentations	4	Dr. R.Thomson (GFMER)	
Last comments and guidelines	4	Dr. R.Thomson (GFMER)	

Steering Committee Meeting, Vientiane : February 15, 2010

Examination : March 19, 2010

Closing Ceremony : April 23, 2010



**Certificate
in
Reproductive Health Research**

The Geneva Foundation for Medical Education and Research (gfmer)
(WHO Collaborating Center in Education and Research in Human Reproduction)
World Health Organization (WHO) and University of Health Sciences (UHS)

Certify that

Dr. Soudavanh SOYSOUVANH

**Fulfilled all requirements of the Research Training Course in Reproductive Health
conducted at the University of Health Sciences (Vientiane) session 2009 - 2010.**

**Aldo Campana, Professor
GFMER**
Geneva Foundation for Medical
Education and Research

Dr. Mario Merialdi,
Medical Officer
Department of Reproductive-Health and
Research (RHR), WHO

Dr. Vanphanom SYCHAREUN
**Dean, Faculty of
Postgraduate Studies**
University of Health Sciences



Mr. Khamphone PHOUTTHAVONG
Ministry of Health
Human Resources Department



LAO PDR Training course in Maternal Health and Reproductive Health Research											
GENEVA FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH (GFMER)											
Budget of the first session 2009 - 2010											
May 2010											
Money : CHF	Year 2008			YEAR 2009			YEAR 2010			TOTAL	TOTAL
ITEM	Cost per Unit	Unit number	Total	Cost per Unit	Unit number	Total	Cost per Unit	Unit number	Total	CHF	USD
1. STAFF											
1.1. Expatriate staff (GFMER)	800.00	1.00	800.00	350.00	10.00	3,500.00	350.00	10.00	3,500.00		
1.2. National staff (Professors)				35.00	18.00	630.00	35.00	18.00	630.00		
1.3. Facilitators Fees (Lectures, Research)	150.00	1.00	150.00	35.00	50.00	1,750.00	35.00	50.00	1,750.00		
1.4. Organization Secretaries				25.00	30.00	750.00	25.00	30.00	750.00		
Subtotal Personnel			950.00			6,630.00			6,630.00	13,260.00	12,000.00
2. TRAINING											
2.1. Training of national professionals				120.00	15.00	1,800.00	120.00	15.00	1,800.00		
2.2. Other training expenses (Expat per diem)			812.00	20.00	110.00	2,200.00	20.00	35.00	750.00		
2.3. Materials (per module)				50.00	10.00	500.00	50.00	10.00	500.00		
2.4. Accommodation and food (week / prof)	1,483.00		1,483.00	750.00	2.00	1,500.00	750.00	2.00	1,500.00		
2.5. Awareness / information				30.00	10.00	300.00	30.00	10.00	300.00		
2.6. Printing costs				200.00	1.00	200.00	200.00	1.00	200.00		
2.7. Travel		4.00	5,102.00	9,022.00	1.00	9,022.00	8,569.00	1.00	10,000.00		
2.8. Supports research and E-learning prog.				2,000.00	1.00	2,000.00	2,000.00	1.00	2,000.00		
2.9. Sclarschip Geneva session WHO RH_SH											
Subtotal Training			7,397.00			17,522.00			17,050.00	34,572.00	28,810.00
3. PURCHASE OF CONSUMABLES											
4.1. Opening ceremonies, delivered diplomas.				250.00	1.00	250.00	250.00	1.00	250.00		
4.2. Food (Coffe breaks 2 x 3 US\$/day)				75.00	10.00	750.00	75.00	10.00	750.00		
4.3. Paper, pens, flipcharts, copies, ink ...						500.00			500.00		
Subtotal Supplies			-			1,500.00			1,500.00	3,000.00	2,500.00
4. ADMINISTRATIVE COSTS											
5.1. Office rent, charges	6,000.00	0.20	1,200.00	6,000.00	0.10	600.00	6,000.00	0.10	600.00		
5.2. Office Supplies			100.00	100.00	1.00	100.00	100.00	0.50	50.00		
5.3. Computer costs (Video conference)			100.00	100.00	1.00	100.00	100.00	1.00	100.00		
5.4. Mail, Telephone			100.00	50.00	12.00	600.00	50.00	6.00	300.00		
5.5. Vehicle Maintenance & Repair											
5.6. Maintenance machinery and equipment											
5.7. Other (specify)											
Subtotal Administrative Costs			1,500.00			1,400.00			1,050.00	2,450.00	1,166.00
Project subtotal			9,847.00			27,052.00			26,230.00	53,282.00	44,401.00
5. ORGANIZATION - TRACK											
6.1. Management costs of the project (max. 12%)			7,450.00			3,500.00			3,500.00		
6.2. Trustee fees, audit field			280.00			300.00			300.00		
6.3. Follow-up costs (PM Geneva, Vientiane)			80,000.00	80,000.00	0.25	20,000.00	80,000.00	0.25	20,000.00		
Subtotal Monitoring			87,730.00			23,800.00			23,800.00	47,600.00	39,700.00
TOTAL COST			97,577.00			50,852.00			50,030.00	100,882.00	84,101.00
6. CONTRIBUTIONS TO THE DRAFT											
7.1 Fundraising											
7.2. SYNI Support						20,000.00			20,000.00		
7.3. Local Lao PDR (infrastructure, logistics)						1,500.00			1,500.00		
7.4. Participation of the applicant association			72,577.00			14,609.00			13,530.00		
7.5. Participants who (Professor)						2,500.00					
7.6 Pictet Fund and Hirzel			25,000.00								
7.7 UNFPA (VTN)						12,243.00					
7.6 Pictet Fund									15,000.00		
Total Investments			97,577.00			50,852.00			50,030.00	198,459.00	165,382.00
SUMMARY : Session 2009-2010	84,101.00	US \$									
Session 2010-2011	previsional budget	70,000.00	US \$								
<p>Notes: a) The project was initiated in 2006. CHF 150'000.- (US\$ 120'000) were invested between 2006 and 2009. b) The figures for the year 2008 are not taken into account in the budget. c) The local Participation consists of: Premises, services, electricity, etc. Equipment, projectors, computers, etc. Computer Room of the University Reception and transportation for participants Communications Emergency Medical Kit Etc</p>											
Geneva, May 2010.											