

#### EXPENSES AND TRAVEL

Selected participants will be awarded a WHO Fellowship, which will provide them with air travel, by the most direct, and economic mode and route, from their place of work to Bangkok, Thailand and return. Course participants who have notified the Secretary of the organizing of the flight and time of arrival in Bangkok, well in advance of their arrival, will be met at the airport and taken to the Faculty of Tropical Medicine who will take approximately 1 hour.

A daily stipend will be paid to those persons awarded a WHO fellowship in accordance with WHO Fellowship rules, which is adequate to meet the cost of boarding and lodging. At the time of preparing this announcement the official exchange rate was one US\$ equals 36 Baht.

Any excess luggage will have to be paid for by the participants out of their stipend, as will travel insurance, which is highly recommended. The air ticket provided to the participants is the property of WHO participants must leave with a confirmed return air reservation on the first flight following the closing day. WHO will not pay extra stipend for unnecessary delays in returning home, including that caused by not having secured a confirmed return reservation before departing for the course.

Participant from other funding agencies will receive fund as per rules and regulation of that agencies.

#### LODGING, BOARDING AND LOCAL TRANSPORTATION

Since this is a participatory, interactive education activity, participants are expected to work closely together during the day as well as in the evening, and hence all of them are expected to stay in the International Guest House, Faculty of Tropical Medicine, Mahidol University for which block bookings have already been secured. A single occupancy air-conditioned room costs, at present, 800-1,500 Baht per day. Individual participants will be responsible for settling all accounts with the hotel before departure, and is to be paid out of their stipend. Accommodation charges do not include food. Restaurants usually provide varieties of food. Other restaurants are available, giving a wider choice of food. Every effort will be made to assist the participants to find the food of their preference.

#### COURSE FEE

The course fee is US\$ 800 per person. We expect to run the course with minimum participants of 15 and the maximum of 25 persons. Fund should be paid in advance directly to the Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.

#### COURSE COORDINATORS



##### Prof. Dr. Polrat Wilairatana

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for Clinical Management of Malaria

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#### SECRETARY OF ORGANIZING COURSE

##### International Relations Unit

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## Course Announcement 7<sup>th</sup> International Training Course on Management of Malaria August 31- September 4, 2009

At

Faculty of Tropical Medicine  
Hospital for Tropical Diseases  
(WHO Collaborating Centre for  
Clinical Management of Malaria)  
Mahidol University  
420/6 Ratchawithi Road, Bangkok 10400 THAILAND

#### In collaboration with

World Health Organization (WHO)  
Regional Office for South-East Asia Region  
World Health House, I P Estate, Ring Road  
New Delhi - 110 002, India  
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and  
Mekong Malaria Programme (MMP)  
c/o Faculty of Tropical Medicine,  
Mahidol University  
Ratchawithi Road, Bangkok 10200  
Tel: 66 (0) 23549100-19  
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## INTRODUCTION

This course is organized jointly by the Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, the World Health Organization Regional Office for South-East Asia Region, New Delhi, India and Mekong Malaria Programme, c/o Faculty of Tropical Medicine, Mahidol University, Thailand.

## OBJECTIVES

The objectives of the course are:

- To teach the participants in the management of severe and uncomplicated malaria both in well-equipped hospital and places with limited facilities
- To be updated with anti-malarial drugs in the treatment of severe malaria
- To review and train participants in the laboratory diagnosis of malaria
- To understand the recent pathogenesis of malaria

## ENTRY REQUIREMENTS

**Level of Responsibility:**

Medical officers or other related fields who are presently, or will be in future, responsible for malaria management.

**Educational Background:**

Medical doctor or health care personnel from an approved university/institution with experience in clinical treatment or diseases control.

**Language Proficiency:**

The course will be conducted entirely in English, and therefore a good command of written and spoken English is essential.

**Computer Literacy:**

Ability to use word processing and other software applications.

**Health:**

It is essential that the participants are in good health.

## COURSE VENUE

The course will be held at the WHO Collaborating Centre for Clinical Management of Malaria, Faculty of Tropical Medicine, Mahidol University, 420/6 Ratchawithi Road, Bangkok, 10400, Thailand.

## COURSE ORGANIZATION

There will be a maximum of 25 participants. This one week long intensive and interactive course will have a minimum structured time of 30 tutor contact hours, consisting of lectures, case studies and discussion, laboratory practices and demonstrations, and bedside ward rounds. Daily sessions will be for 3 hours in the morning and 3 hours in the afternoon each day.

## COURSE CONTENTS

The essential topics in the Management of Malaria course:

- Introduction to the course
- Malaria global epidemiology and current situation
- Malaria diagnosis and treatment at field level
- Malaria control program
- Diagnosis and management severe and uncomplicated malaria
- Pathophysiology of malaria and severe malaria
- Pathology: gross, light and electron microscopy of falciparum malaria
- Guideline for diagnosis and assessment of severe malaria
- Immunology of severe malaria
- Anti-malarial drug treatment
- Management of cerebral malaria
- Management of renal failure, metabolic and electrolyte disturbance
- Management of pulmonary edema
- Management of other malaria complications
- Laboratory diagnosis of malaria
- Management of severe malaria in children and pregnancy
- Management of severe malaria in areas with limited facilities
- Ward round
- Case studies
- Case discussion
- Seminar\*
- Evaluation



\* Please prepare information of malaria management and control activity in your country (preferably in PowerPoint) to share with the other participants.

## ATTENDANCE & CERTIFICATE

Participants will be expected to attend all sessions throughout the course for which a separate record will be kept. They will be obligated to be present at the opening and closing sessions without exception. Travel arrangements should therefore be made accordingly in both directions. Throughout the course, participants will be examined to determine the acquisition of knowledge, skill and competence. A certificate of completion will be awarded to the successful participants, achieving the required standard and attendance.

## FOLLOW-UP ACTIVITIES

On completion of this course, the participants are expected to implement the knowledge, skills and expertise gained when they return to their place of work. At least 6 months following completion of the course, they will be required to report to the WHO, of their achievements since their training. In addition, it is expected that they will communicate freely with the WHO & other participants on technical matters in the spirit of networking. It is expected that governments will nominate participants for this course, who will be deeply involved in the national comprehensive malaria management and training activities.

## ADMISSION PROCEDURE

Eligible candidates are invited to apply using standard WHO fellowship forms available from the respective WHO country offices. Applications need to be endorsed by the national ministries of health and sent to the WHO regional office of South East Asia through the WHO country office. The candidates selected for the course will be communicated by WHO and it will be the responsibility of the candidates to prepare themselves appropriately, and in time, including obtaining visas as necessary and vaccinations.

Fellowship from other funding agencies should apply directly to the Faculty of Tropical Medicine, Mahidol University and all management will be made between the faculty and the agencies.

7<sup>th</sup> International Training Course on Management of Malaria, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand

Date / Time	Monday 31, August 2009	Tuesday 1, September 2009	Wednesday 2, September 2009	Thursday 3, September 2009	Friday 4, September 2009
8.30 – 9.00 hr.		• Review (Participants)	Review (Participants)	Review (Participants)	Review (Participants)
9.00 – 10.00 hr.	<ul style="list-style-type: none"> <li>• Introduction to the course (Dr. Polrat Wilairatana)</li> <li>• Inauguration (Drs. Charles Delacollette, Dr. Pratap Singhasivanon)</li> </ul>	<ul style="list-style-type: none"> <li>• Pathophysiology of severe malaria (Drs. Parnpen Viriyavejakul, Kesinee Chotivanich) (9.00 – 10.30 hr.)</li> </ul>	<ul style="list-style-type: none"> <li>• Diagnosis of malaria parasites (Lecture &amp; Demonstration &amp; Practice) (Dr. Yaowalark Sukthana <i>et al.</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• Management of ARF, acid-base, electrolyte disturbances in severe malaria (Dr. Weerapong Phumratnaprapin)</li> </ul>	<ul style="list-style-type: none"> <li>• Ward Round (Drs. Polrat Wilairatana, Srivicha Krudsood, Wacharapong Piyaphanee)</li> </ul>
10.00 – 11.00 hr.	<ul style="list-style-type: none"> <li>• Malaria global epidemiology: Global and regional status and tools for malarial control (Dr. Charles Delacollette) (10.00 – 11.30 hr.)</li> </ul>	<ul style="list-style-type: none"> <li>• Pathology of severe malaria (Drs. Emsri Pongponratn, Urai Chairsri, Yaowapa Maneerat) (10.30 – 12.00 hr.)</li> </ul>	↓	<ul style="list-style-type: none"> <li>• Management of pulmonary edema in severe malaria (Dr. Udomsak Silachamroon)</li> </ul>	<ul style="list-style-type: none"> <li>• Malaria in pregnancy (Dr. Srivicha Krudsood)</li> </ul>
11.00 – 12.00 hr.	<ul style="list-style-type: none"> <li>• National Policy of malaria control in Thailand (Dr. Wichai Satimai) (11.30 – 12.30 hr.)</li> </ul>			<ul style="list-style-type: none"> <li>• Management of cerebral malaria and other malarial complications (Dr. Polrat Wilairatana)</li> </ul>	<ul style="list-style-type: none"> <li>• Malaria in children (Dr. Pornthep Chanthavanich)</li> </ul>
LUNCH 12.00 -13.00 hr.					
13.00 – 14.00 hr.	<ul style="list-style-type: none"> <li>• Visit hospital facilities: ICU, Wards, Labs (Drs. Polrat Wilairatana, Srivicha Krudsood, Wacharapong Piyapanee)</li> </ul>	<ul style="list-style-type: none"> <li>• Use of antimalarial drugs (Dr. Srivicha Krudsood) (13.00-14.30 hr.)</li> </ul>	<ul style="list-style-type: none"> <li>• Malaria entomology for clinicians, Demonstration of Anopheles and vector control (Dr. Chamnan Apiwathnasorn)</li> </ul>	<ul style="list-style-type: none"> <li>• Malaria prevention and chemoprophylaxis (Dr. Wacharapong Piyapanee)</li> </ul>	<ul style="list-style-type: none"> <li>• Management of severe malaria in limited facilities (Dr. Srivicha Krudsood)</li> </ul>
14.00 – 15.00 hr.	<ul style="list-style-type: none"> <li>• Pre-test (Dr. Polrat Wilairatana)</li> </ul>	<ul style="list-style-type: none"> <li>• Antimalarial drug resistance (Dr. Nicholas J White) (14.30-16.00 hr.)</li> </ul>	↓	<ul style="list-style-type: none"> <li>• Malaria-related social and behavioral risk factors (Dr. Wijitr Fungladda)</li> </ul>	<ul style="list-style-type: none"> <li>• Malaria immunology and vaccine (Dr. Srisin Khusmith)</li> </ul>
15.00 – 16.00 hr.	<ul style="list-style-type: none"> <li>• Overview of uncomplicated malaria Pf, Pv, Po, Pm, Pk (Dr. Sasithon Pukrittayakamee)</li> </ul>			<ul style="list-style-type: none"> <li>• Case studies (Drs. Polrat Wilairatana, Srivicha Krudsood) (15.00-16.30 hr)</li> </ul>	<ul style="list-style-type: none"> <li>• New antimalarial drugs (Dr. Srivicha Krudsood)</li> </ul>
16.00 – 17.00 hr.	<ul style="list-style-type: none"> <li>• Overview of severe malaria (Dr. Polrat Wilairatana)</li> </ul>	<ul style="list-style-type: none"> <li>• Participant seminar I: Experience in management of malaria in each country (Drs. Polrat, Srivicha)</li> </ul>	<ul style="list-style-type: none"> <li>• Participant seminar II: Experience in management of malaria in each country (Drs. Polrat, Srivicha)</li> </ul>	<ul style="list-style-type: none"> <li>• Nursing care in malaria (Ms. Suparb Vannaphan, Dr. Polrat Wilairatana) (16.30-17.00 hr)</li> </ul>	<ul style="list-style-type: none"> <li>• Post-test (Drs. Polrat Wilairatana)</li> </ul>