



Workshop on Training of Trainers on Medical Biology and In-Service Training on Biochemistry for laboratory technician

Participants:

- Training of trainers (TOT): 22 trainers suggested by BMLS (see attached list of trainers).
- Laboratory technicians: 15 technicians from Phnom Penh and provinces (see attached list).

Date and place: TOT on 18th and 19th Feb and in-service training on 20th and 21st Feb 2019, at Kampong Cham provincial hospital, Kampong Cham province, Cambodia

Organiser: BMLS/DHS of the Ministry of Health (MOH), supported by Fondation Mérieux (FMX) in collaboration with Ecole Supérieure de Biologie-Biochimie-Biotechnologies (ESTBB), Université Catholique de Lyon France

Overview:

Continuous (in-service) training is commonly considered as one important component for laboratory professionals. The in-service training plan for laboratory technicians has been developed in 2018 by BMLS with the support of Fondation Mérieux and under final validation of the MOH.

To kick-start implementing this training plan, BMLS/DHS organizes a workshop on TOT and on in-service training of Biochemistry for trainers and for laboratory technicians.

According to its long history of collaboration with FMX on the training in medical laboratory in many countries in West Africa, ESTBB take a mission to Cambodia, to explore the real need of support in term of training and at the same time provide the TOT and the training of Biochemistry by professional experts of ESTBB.

Objectives

This workshop aims to train pedagogy for Cambodian trainers who will be in charge of training on medical laboratory on one hand, and on the other hand to provide in-service training on biochemistry for a first batch of laboratory technicians.

Expected outcomes

- A group of Cambodian trainers will be trained on pedagogy specifically in the field of medical laboratory.
- A group of trainers on Biochemistry and a group of laboratory technicians will be trained on basic knowledge of biochemistry and also practice on biochemistry measures and troubleshooting.

Agenda

Training of Trainers for Medical Biology (18-19th Feb, 2019)

Time	Session	
18th Feb 2019		
8:00 – 8:30	Registration	
8:30 – 9:00	-Welcome and Introductions -Opening Remark -Group photos	BMLS/DHS, FMX, ESTBB
9:00 – 9:15	Coffee break	
09:15 – 12:00	Presentation and workshops : design a teaching module	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
12:00 – 13:30	Lunch	
13:45 – 17:00	Presentation and workshops : design a teaching module (continued) Presentation and workshops : Prepare an educational sequence	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
19th Feb 2019		
8:30 – 10:00	Presentation and workshops : Prepare an educational sequence (continued)	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
10:00 – 10:15	Coffee break	
10:15 – 12:00	Presentation and workshops : The pedagogical specificities of a sequence of practical work	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
12:00 – 13:30	Lunch	
13:45 – 16:00	Presentation and workshops : The logistical specificities of a sequence of practical work	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
16:00 – 16:30	Delivery of certificates of participation	BMLS/DHS, FMX, ESTBB

Training of Biochemistry for laboratory technician (20-21st Feb, 2019)

Time	Session	
20th Feb 2019		
8:30 – 10:00	Recall theory on spectrophotometry	Dr. PHAM Thanh-Nhat, ESTBB
10:00 – 10:15	Coffee break	
10:15 – 12:00	Tutorials for calculation concentration of KMnO_4 with a calibration line	Dr. CHEVALIER Christine, ESTBB

12:00 – 13:30	Lunch	
13:45 – 15:00	Continue tutorials	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
15:00 – 15:15	Coffee break	
15:15 – 17:00		Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
21st Feb 2019		
8:30 – 10:00	Assay of serum proteins by the biuret method (chemical method) with a calibration line and one-point calibration. Theoretical information and practical work	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
10:00 – 10:15	Coffee break	
10:15 – 12:00	Assay of serum proteins (continued) Assay of serum glucose by enzymatic method with one-point calibration. Theoretical information	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
12:00 – 13:30	Lunch	
13:45 – 16:00	Determination of enzymatic activities by spectrophotometry: theoretical information and practical work	Dr. CHEVALIER Christine, ESTBB Dr. PHAM Thanh-Nhat, ESTBB
16:00 – 16:30	Delivery of certificates of participation	BMLS/DHS, FMX, ESTBB