

Course syllabus

TMCD527 Clinical Case Teaching

Academic Year 2016-2018

1. **Institute** Mahidol University
Faculty/Department Faculty of Tropical Medicine, Department of Clinical Tropical Medicine
2. **Course Name:**
 - a. **Course Code:** TMCD 527
 - b. **Course Title:** Clinical Case Teaching
3. **Number of credits:** 3 (3-0-6)
4. **Programme use:** Master of Clinical Tropical Medicine
5. **Prerequisite:** None
6. **Type of Course:** Core subject
7. **Condition: class size:** maximum 25
8. **Session/Academics year:** The second semester of each academic year

9. Course description:

Presentation of common medical problems in tropical medicine with interesting diseases leading to intensive case oriented discussion on how to get proper information from history taking, physical examination and laboratory results and interpret all valuable data will be done under guidance of lecturer. Brief review of the selected diseases will also be added.

10. Course expected learning outcomes:

The students should be able to

1. Discuss aetiology, epidemiology, transmission, clinical manifestation, diagnosis, and pathogenesis of common problems in tropical diseases
2. Approach patient's problems and make differential diagnosis of common problems in tropical diseases
3. Planning for appropriate investigation and appropriate management for common problems in tropical diseases
4. Planning for the prevention of common tropical diseases
5. Develop and apply code of conduct in medical professionalism and reflect ethical consideration on patient care

11. Course outline and constructive alignment

Week	Title	Hours			Instructor	Course Learning Outcome	Programme ELOs	Learning Activities	Assessment
		Lecture	Lab	Self-study					
1-1	History taking and PE	2	0	4	Prof Punnee	1,2,3,4,5	1.1,1.2,2.1, 3.1,4.1	Bed side teaching, Case discussion, Q&A	Attendant MEQ examinations
1-2	Uncomplicated and vivax malaria	2	0	4	Prof Sasithon				
1-3	Severe malaria	2	0	4	Prof Polrat				
2-1	Dengue infection	2	0	4	Assoc Prof Yupaporn				
2-2	Laboratory investigation and interpretation	2	0	4	Assoc Prof Wattana				
2-3	Common pulmonary complication in tropical diseases	2	0	4	Asst Prof Udomsak				
3-1	Renal problem in malaria	4	0	8	Assoc Prof Vipa/ Asst Prof Weerapong				
3-2	Bacterial skin problems in the tropics	3	0	6	Asst Prof Jittima				
4-1	Poisonous animal bite	2	0	4	Asst Prof Viravarn				
4-2	Melioidosis	2	0	4	Dr Wirongrong				
4-3	Common tropical diseases in travellers	2	0	4	Dr Watcharapong				
5-1	Rickettsial infections	2	0	4	Dr Prakaykaew				
5-2	Common haematologic problems in tropical diseases	2	0	4	Asst Prof Supat				
5-3	PK/PD of anti-malarial drugs	2	0	4	Dr Sant				
6-1	Liver problems in tropical diseases	2	0	4	Dr Kittiyod				
6-2	Cardiac problems in tropical diseases	2	0	4	Dr Chayasin				
6-3	Lymphedema	2	0	4	Dr Borimas				
7-1	Common problems in HIV	1	0	2	Asst Prof Viravarn				
7-2	Imaging in tropical diseases	2	0	4	Dr Maleerat				
7-3	Tropical diarrhoea	2	0	4	Dr Chatporn				
8-1	Opportunistic infection	1	0	2	Asst Prof Viravarn				
8-2	Common skin problems from insect bites	1	0	2	Asst Prof Jittima				
8-3	Emerging/re-emerging diseases	1	0	2	Dr Wirongrong				
	Total	45	0	90					

12. Teaching and Learning Activities

Lecture, Bed side teaching, case discussion, Q&A

13. Teaching media

PowerPoint slides

Patient cases, Case scenarios

Discussion

14. Course achievement and evaluation

Attend teaching activities ¹	10%
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Multiple Essay Questions (MEQ)	90%
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Note¹ Students must attend at least 80% of all activities

15. Course evaluation

Discussion and comments session at the end of the course

Questionnaire for contentment and suggestion for the course

16. References

1. Barratt A, Irwig L, Glasziou P, Cumming RG, Raffle A, Hicks N, et al. Users' guides to the medical literature: XVII. How to use guidelines and recommendations about screening. Evidence-Based Medicine Working Group. JAMA 1999;281(21):2029-34.
2. Hunt DL, Jaeschke R, McKibbin KA. Users' guides to the medical literature: XXI. Using electronic health information resources in evidence-based practice. Evidence-Based Medicine Working Group. JAMA 2000;283(14):1875-9.
3. McAlister FA, Straus SE, Guyatt GH, Haynes RB. Users' guides to the medical literature: XX. Integrating research evidence with the care of the individual patient. Evidence-Based Medicine Working Group. JAMA 2000;283(21):2829-36.
4. Hunt DL, McKibbin KA. Locating and appraising systematic reviews. Ann Intern Med 1997;126:532-8.
5. Guyatt GL, Rennie D. Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice. Chicago: American Medical Association, 2001.

17. Instructors:

All medical staff of Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University

18. Course responsibility:

Asst Prof Viravarn Luvira

Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University