

Target Countries :

Course No. : 201984432-J002

No. : 201984432

Sector : Health/Other infectious diseases

Sub-Sector : Health/Health System

Language : English

Outline

This program is designed for laboratory technologists who are engaged in clinical examination in national/local core hospitals or laboratories to collaborate with the department in charge of diagnosis. Participants are expected to acquire skills for accurate examination (clinical microbiology examination) and laboratory management, in order to reach proper diagnosis and strengthening laboratory network in each country. The latest knowledge on drug resistant bacteria and its examination skills are included in the contents of this course.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 Participants are expected to acquire and be able to explain knowledge and skills of accurate examination for diagnosis and treatment of infectious diseases, and skills for laboratory management in consideration of the role of clinical laboratory in the health system in each country.</p> <p>【Outcome】 1. To acquire and be able to explain how to manage laboratory for clinical microbiology examination 2. To acquire and be able to explain knowledge and skills of clinical examination for infectious diseases control. 3. To acquire and be able to explain how to utilize clinical examination effectively for diagnosis of infectious diseases. 4. To be able to understand the role of clinical laboratory in the health system of participants' own country and apply the learning to daily work.</p>	<p>【Target Organization】 National/local core hospitals or core laboratories collaborate with the diagnosis/treatment section that conduct clinical microbiology examination</p> <p>【Target Group】 Those who works at national/local core hospitals or core laboratories which collaborate with the diagnosis/treatment section who meets below; 1)Clinical laboratory technologist (or medical doctor/pharmacist/nurse) who are engaged in microbiology examination, 2)Be responsible for the management of laboratory works and 3)Conducts clinical microbiology examination</p>	
<p>Contents</p> <p>1-1 Biosafety and standard precaution in laboratory 1-2 Quality control of examination and laboratory management 1-3 Education of laboratory staff members</p> <p>2-1 Smear examination as rapid test, 2-2 Procedures for processing of specimen (Progress of examination, interpretation and report of results), 2-3 Characteristics and usage of each medium, Characteristics of clinically important colony, 2-4 Identification tests, 2-5 Drug Susceptibility test and characteristics of drug-resistant bacteria</p> <p>3-1 Data analysis of examination for diagnosis of infectious diseases 3-2 Role of microbiology laboratory in hospital-acquired infectious</p> <p>4-1 Role of clinical laboratory in the health system and Laboratory -network 4-2 Epidemiology, collection and evaluation of information for grasping prevalence of infectious diseases (Infectious Diseases Surveillance) 4-3 Trend of international countermeasures against infectious diseases</p> <p>※In this program, we introduce “Active Learning” approach to promote knowledge co-creation among participants.</p>	<p>Course Period</p>	<p>2019/10~2019/12</p>
	<p>Department in Charge</p>	<p>Human Development Department</p>
	<p>JICA Center</p>	<p>JICA Tokyo (Human D. &Ope. C.)</p>
	<p>Cooperation Period</p>	<p>2018~2020</p>

<p>Implementing Partner</p>	<p>Japan International Medical Technology Foundation</p>
<p>Remarks and Website</p>	