

Strengthening laboratory techniques and surveillance system for global control of HIV and related infectious diseases HIVを含む各種感染症コントロールのための検査技術とサーベイランス強化		Updated
Target Countries :		14 participants
Course No. : J1704216	No. : 1784426	
Sector : Health/Other infectious diseases		
Sub-Sector :		
Language : English		
Outline		
Participants are exposed to lectures of practical knowledges and techniques for viral diseases including HIV infection and practices which include not only laboratory diagnosis techniques, but also laboratory management system. Moreover, programs to learn the roles of the central organization and local ones and their cooperations necessary for the effective surveillance, are included.		
Objective/Outcome	Target Organization / Group	
<p>【Objective】 To acquire the knowledge/skills for laboratory diagnosis and monitoring of viral diseases including HIV infection, laboratory management system including data management, etc., and to understand effective surveillance system of Japan. Participants are to disseminate those knowledge in participant's organization.</p> <p>【Outcome】 1. to learn the basic knowledge concerning viral diseases including HIV/AIDS 2. to understand the principles of serodiagnosis and quality control techniques 3. to acquire the basic knowledge of molecular biology, the theoretical background knowledge of PCR technology and its practice 4. to learn monitoring technique of viral diseases including HIV infection monitoring 5. to strengthen laboratory management for improving internal quality control and daily activities and operations 6. to learn the roles of laboratory in infectious diseases surveillance and the cooperations between the central organization and local organizations. 7. to disseminate the acquired knowledge and technique in their organization</p>	<p>【Target Organization】 This program is designed for the national reference laboratories or the corresponding organizations.</p> <p>【Target Group】 1. be engaged in laboratory diagnosis of viral diseases including HIV infection or in a position to supervise at the National Laboratory, or corresponding organization. 2. have 4 - 10 years of experience in laboratory diagnosis.</p>	
Contents	Course Period	2017/05/31~2017/07/15
<p>Lectures and Discussion: Virology, Care and Treatment of Patients of Viral Diseases, Infectious Diseases Surveillance System in Japan, Treatment Guide for Viral Diseases, Pathology of Viral Diseases, Biosafety, Laboratory Management including 5S-KAIZEN-TQM, Data Management, Quality Control, Diagnosis of Viral Diseases, PCR, Screening of Blood Transfusion, DNA Sequencing, Immunology, Vaccines for Viral Diseases, Molecular Epidemiology for Viral Diseases, Antimicrobial Resistance Practice: Laboratory Set-up, How to use Biological Safety Cabinet, Serodiagnosis of HIV Infection, DNA PCR, Quantitative PCR, RT-PCR, DNA Sequencing, DNA Sequence Analysis, CD-4 T-cell Count, PCR Workshop Site Visits: Private enterprise of the clinical inspection technology, Blood Donation Center, Local institute for public sanitation Others: County Report presentation. Discussion between fellow participants regarding the problems of his/her organization, and brief reporting.</p>	Department in Charge	Human Development Department
	JICA Center	JICA Tokyo (Human Dev.)
	Cooperation Period	2017~2019
Implementing Partner	National Institute of Infectious Diseases	
Remarks and Website	Participants are expected to command English communication skills as well as personal computer skills, required in the programs.	