

Training on Hospital Management for Ebola Virus Disease
Department of Health- Research Institute for Tropical Medicine (RITM)
Department of Health Compound, Filinvest Corporate City, Alabang, Muntinlupa City
28-30 October 2014

Training Objective: To be able to provide safer care for patients with EBOLA Virus Disease and to stop disease transmission in the healthcare and community setting.

Day 1

LECTURE	LEARNING OBJECTIVES
<p>EBOLA BASICS AND BACKGROUND Emeritus Prof. Rick Speare (WHO)</p> <p>EBOLA RESTON IN THE PHILIPPINES Dr. Catalino Demetria (RITM)</p>	<p>To discuss the epidemiology of the present Ebola outbreak At the end of the training the participants will be informed of the following:</p> <ol style="list-style-type: none"> 1. Historical background of the Ebola virus, its life cycle and ecology (possible natural reservoir and epizootic cycle) 2. Epidemiology, mode of transmission of EVD, pattern of spread from other countries 3. Have an overview on the current status of the Ebola outbreak in terms of: estimated case counts, geographic distribution, and mortality rate 4. Be familiar with the socio-economic impact and burden of the present outbreak 5. Be familiar in initial case finding and recognizing outbreaks
<p>CLINICAL CARE OF EVD Dr. Manolito Chua (RITM)</p>	<p>To train participants on the clinical presentation and triaging of EVD At the end of the training the participants will have a basic understanding of:</p> <ol style="list-style-type: none"> 1. Setting up screening and triage 2. Case Definitions - PUI, suspect, confirmed 3. Ebola's clinical features - its early and late signs and symptoms and how to recognize these manifestations
<p>CLINICAL MANAGEMENT AND DISCHARGE CRITERIA Dr. Arthur Dessi Roman (RITM)</p>	<p>To train participants how to recognize and manage cases of EVD At the end of the training the participants will have a basic understanding of:</p> <ol style="list-style-type: none"> 1. The basic pathophysiology of ebola virus disease 2. Symptomatic management of EVD 3. The different levels of care and interventions required that varies across the spectrum of disease severity, including complex management of septic shock and palliation when indicated 4. Criteria for discharging patients 5. Current treatment and vaccines
<p>LABORATORY SUPPORT AND BIOSAFETY IN SPECIMEN HANDLING IN THE MANAGEMENT OF EVD Dr. Catherine Masangkay (RITM)</p>	<p>To present laboratory set-up to support EVD case and specimen management; collecting blood from patients in triage/ room To identify issues in biosafety during EVD case management. (POC and BSC)</p> <ul style="list-style-type: none"> - Participants will consider resources needed for safe laboratory support for EVD case management
<p>LABORATORY DIAGNOSIS OF EVD Dr. Catalino. Demetria (RITM)</p>	<p>To discuss available methods for the rapid diagnosis of EVD.</p> <ul style="list-style-type: none"> - Participants understand the principles in the diagnostic tests and their interpretation

RISK ASSESSMENT AND BIOSAFETY FOR LABORATORY PERSONNEL (Day 1 and Day 2)	
BIOSAFETY IN THE LABORATORY Mr. N Yabut (RITM)	To Identify issues in biosafety during specimen handling and testing - Participants can identify potential biosafety risks and how to minimize or mitigate them
REFERRAL SYSTEM, TRANSPORT AND STORING OF SPECIMENS Dr. Lea Apostol (RITM)	To ensure that samples are safely collected and transported to the testing laboratory. - Participants know safety procedures in specimen management and international standards in specimen transport and storage All specimens tested are sent to EVD NRL
LABORATORY WASTE MANAGEMENT, DECONTAMINATION AND LABORATORY EMERGENCIES Mr. Edson Simon (RITM)	To emphasize best practices for safe disposal of laboratory wastes, spillage, needle stick injuries - Participating laboratories know (or are refreshed) of best practices in laboratory waste disposal to prevent contamination of local environment with potentially EVD infected clinical specimens/ samples.
PATIENT SCREENING AND TRIAGE EXERCISE Dr. Arthur Dessi Roman (RITM)	To guide the participants in coming up with their own institution-specific triage layout and system to handle suspected and confirmed Ebola virus disease cases by providing helpful, relevant and constructive comments, tips and strategies based on sound scientific evidence and previous outbreak experiences. At the end of the session, the participants should: <ol style="list-style-type: none"> 1. Have a working triage layout and process plan for their own institutions 2. Be able to define the current case classification based on the current Ebola guidelines and allow the participants to apply this system on simulated cases.
INFECTION PREVENTION AND CONTROL Ms. Melanie Curless (WHO)	To emphasize the importance of infection control and prevention. <ol style="list-style-type: none"> 1. To review Basic Infection Prevention and Control Principles and strategies 2. Provide information on Ebola disease transmission and how infection control measures can effectively disrupt the chain of transmission At the end of training, the healthcare worker should be able to: <ol style="list-style-type: none"> 1. Identify the appropriate IPC interventions to prevent Ebola transmission in the hospital setting 2. Assess the current IPC capacity and practice in their workplace and identify needs and gaps
PPE LECTURE: DEMONSTRATION OF PROPER DORNING AND DOFFING OF PPE Ms. Melanie Curless (WHO)	To demonstrate the proper sequence of donning and doffing of PPE.

SIMULTANEOUS SESSION	
<p>PPE Facilitators</p> <ol style="list-style-type: none"> 1. Dr. Charissa Tabora (RITM) 2. Ms. Melanie Curless (WHO) 3. Julian Donald (WHO) 	<ol style="list-style-type: none"> 1. To provide information on the selection and use of PPE in treating Ebola patients. 2. To teach participants how to safely put on and remove PPE <p>At the end of training, the healthcare worker should be able to:</p> <ol style="list-style-type: none"> 1. Perform risk assessment and identify the appropriate set of PPEs to use for specific situations 2. List at least 3 safe practices that should be followed when using PPE 3. Correctly demonstrate how to don and remove PPE 4. Undergo a respiratory fit test
<p>RESPIRATORY FIT TEST Facilitator: Ms Babes Cabanting</p>	
<p>GROUP DISCUSSIONS ON ETHICAL ISSUES Facilitators: Dr. Marilla Lucero Dr. Annie Ditangco Dr. Noel Macalalad Dr. Veronica Tallo</p>	<p>To discuss possible ethical issues concerning management of EBOLA patients (eg. surgery, invasive procedures)</p>
<p>Laboratory Exercise Facilitators: Dr Lea Apostol Mr. Plebian Medina Ms. Janet Ubaldo</p>	<p>To demonstrate the following laboratory procedures with PPE:</p> <ol style="list-style-type: none"> 1. Blood extraction practicum 2. Specimen handling practicum 3. Packaging/transport practicum

Day 2

Lecture	Faculty
<p>ISOLATION AND PATIENT FLOW Ms. Melanie Curless (WHO)</p>	<p>To train the participants on the operating principles of isolation, patient and staff flow, evaluation of a facility for ability to administer care, and how to keep safe in an isolation unit/(lab)</p> <p>At the end of the training the participants will:</p> <ol style="list-style-type: none"> 1. Know the requirements in designing and planning of an isolation room/unit 2. Have an overview on proper patient and staff flow, intensive care facilities and equipment, availability of isolation areas and PPE 3. Be able to evaluate the ability to safely administer care and assess the needs of their individual institutions 4. Know how to keep safe in an isolation unit by being familiar with basic and disease-specific infection control strategies
<p>ISOLATION AND PATIENT FLOW EXERCISE Ms. Melanie Curless (WHO) Dr. Charissa Tabora (RITM) Ms. Erlinda Cabanting (RITM) Ms. Melanie Gavin (WHO) Ms. Wendy Rymer (WHO) Dr. Manolito Chua (RITM) Dr. MariRose de los Reyes (RITM) Dr. Rossanna Ditangco (RITM) Dr. Arthur Dessi Roman (RITM) Dr. Mark Pasayan (RITM)</p>	<p>To guide the participants in setting up an isolation unit that is adapted to the capabilities and needs of their own institutions</p> <p>At the end of the session, the participants should be able to:</p> <ol style="list-style-type: none"> 1. Have a floor plan/working isolation unit layout and process plan for their own institutions 2. Evaluate the ability of their institutions to function in isolation units, including logistics, flow, clinical knowledge and skills, coordination, manpower 3. Identify possible problems and suggest practical modifications or solutions to address institution-specific concerns 4. Describe patient and staff flow in an isolation unit
<p>MANAGEMENT OF SHARPS Ms. Melanie Curless (WHO)</p>	<p>To discuss provide information on proper practices on disposing sharps and to identify the roles and responsibilities of all staff involved.</p>
<p>TRANSPORT, ENVIRONMENTAL CLEANING Ms. Melanie Curless (WHO)</p> <p>WASTE MANAGEMENT DOH representative</p>	<p>Training goal: Increase the safety of the healthcare work environment through proper handling and transport of patients, waste disposal, burial and decontamination of the environment.</p> <ol style="list-style-type: none"> 1. Increase the safety of the healthcare work environment through proper handling and transport of patients, waste disposal, burial and decontamination of the environment 2. Discuss proper waste and burial procedures for Ebola patients 3. Discuss the different disinfection solutions and the proper steps in decontaminating the environment <p>At the end of training, the healthcare worker should be able to:</p> <ol style="list-style-type: none"> 1. Discuss the different disinfection solutions and the proper steps in decontaminating the environment 2. Enumerate the steps in proper decontamination of the environment
<p>POST EXPOSURE MANAGEMENT Ms. Melanie Curless (WHO) Ms. Melanie Gavin (WHO)</p>	<p>To discuss post-exposure management of EVD.</p>

Day 3

Lecture	Faculty
<p>COMMUNITY HEALTH AND SUPPORT Ms. Wendy Rhymer (WHO)</p>	<p>To discuss the important role of community knowledge, attitude, behavior and skills in the setting of an Ebola outbreak At the end of the session, the participants should:</p> <ol style="list-style-type: none"> 1. Know the important role of community health promotion in overall outbreak response. 2. Be familiar with the psychosocial consequences of Ebola including its impact on families, and dealing with the associated fear and stigma 3. Be able to treat Ebola patients with empathy 4. Know the unproven therapies and vaccines being used
<p>STAFF HEALTH AND SUPPORT (PSYCHOSOCIAL FIRST AID) Dr. Bernardo Vicente (NCMH) Ms Wendy Rhymer (WHO) Dr. Annie Ditangco (RITM)</p>	<p>To discuss causes of workplace stress associated with treating Ebola, individual commitment required to work in an Ebola outbreak setting, when to access healthcare and other support for responders</p> <p>To discuss how to recognize Ebola/ post traumatic stress disorder and how to handle the 21 day waiting period and how to recognize Ebola/ post-traumatic distress syndrome.</p>
<p>SAFE AND DIGNIFIED BURIALS Ms. Melanie Curless (WHO) Ms. Melanie Gavin (WHO)</p>	<p>To describe proper burial procedures for deceased EVD patients.</p>
<p>RISK COMMUNICATION/ ASSESSMENT</p>	<p>To emphasize the importance of effective risk communication.</p>
<p>EPIDEMIC MANAGEMENT AND SURVEILLANCE Dr. Chat Aumentado (WHO) Dr. Aura Corpuz (WHO) Ms. Rowena Capistrano (RITM)</p>	<p>To emphasize the importance of travel history, history taking and follow-up</p>
<p>SUBNATIONAL LABS; REGIONAL HOSPITALS AND REFERRAL CENTERS: ROLES IN EVD Dr. Amado. Tandoc III(RITM)</p>	<p>To inform participants of the following:</p> <ol style="list-style-type: none"> 1. AO designating these facilities as subnational reference laboratories for EIDs 2. Networking, share resources (data/ information, technical support; logistics)c 3. Follow-up of checklist on post-training plans and AO
<p>POST TRAINING PLANS Dr. Chat Aumentado (WHO) Dr. Aura Corpuz (WHO) DOH representative</p>	<p>To teach participants on how to cascade training and logistic plans and be able give feedback to their respective institutions.</p>