



[GROUP TRAINING COURSE FOR AFRICAN COUNTRIES]

**Overcome the Impact of Neglected Tropical
Diseases (NTDs) in Africa**



[2018]

[FACULTY OF MDECINE-AIN SHAMS UNIVERSITY]

[Cairo]

AGENDA OF THE GROUP TRAINING COURSE FOR AFRICAN COUNTRIES “OVERCOME THE IMPACT OF NEGLECTED TROPICAL DISEASES (NTDs) IN AFRICA”

Course Executive:

The course will be conducted by eminent Clinical Pathology, Infection Control, Internal Medicine, Tropical Medicine and Quality Management staff members from Faculty of Medicine-Ain Shams University

Scientific coordinator of the Course:

Prof. Dr/Samia Abdou Girgis
Deputy Manager of Ain Shams University Hospitals
Head of Infection Control Unit

Background of the Project

Neglected Tropical Diseases (NTDs) cause substantial illness for more than one billion people globally (one sixth of the world population), and another 2 billion people are at risk. NTDs affect the world's poorest people living in rural areas, urban slums and conflict zones. They are responsible for about 500,000 deaths per year but chiefly impair physical and cognitive development, contribute to mother and child illness and death, cause disabilities (mental and physical) and limit productivity in the workplace. As a result, NTDs trap the poor in a cycle of poverty and disease and often aggravated by social stigmatization and discrimination.

Therefore, new and ongoing efforts to control and eliminate the NTDs represent key elements for achieving United Nations (UN) and Sustainable Developmental Goals (SDGs). On 8 December 2015 WHO launched a comprehensive analysis of global health trends and assessment of the challenges for the next 15 years indicating that infectious diseases including neglected tropical diseases are among the key areas in health SDGs.

The NTD program must collaborate to counteract the impact of NTDs. This depends on implementation of the different strategies and interventions. In addition to effective case-finding and cure, country-level capacity must be strengthened through well trained healthcare providers and managers in order to sustain implementation of efficient control programs. Strengthened epidemiological surveillance systems should be in place for effective monitoring and evaluation of programs. Vector control must be scaled-up and coordinated, and in many cases linked with water supply, sanitation and water development projects. As many neglected tropical diseases are rooted in poverty, lasting

measures such as better sanitation and improved supply of safe water in deprived communities will ensure long-term economic growth and brighter prospects for food production.

Egypt has made substantial progress in dramatically decreasing the prevalence of a disfiguring disease i.e. lymphatic filariasis (LF), becoming one of the first filariasis-endemic countries in the world to eliminate LF as a public health problem. Egypt also succeeded after a long battle waged against Schistosomiasis to dramatically decrease rates of infection where prevalence has been brought down by regular praziquantel. Egypt is committed to eliminating blinding trachoma by the year 2020 as it has been made priority issue in the National Health Policy. Mass drug administration (MDA) programs for NTDs have been expanded in Egypt. JICA has significantly contributed to elimination of Chagas disease in Central America and lymphatic filariasis in Asia and Pacific. Egypt's story and JICA's experience exemplify that committed national efforts, public-private international cooperation, and community involvement can lead to elimination of NTDs.

Similarly, expanded international and intraregional cooperation is required for continuing elimination of NTDs in the Egypt and other Sub-Saharan and Nile-Basin countries.

Outline of the Project

Overall Goal

The program will draw attention of the national governments to the prevention and control of NTDs, and will enhance the efforts for of the current programs in the participants' countries in line with World Health Organization (WHO) for control and elimination.

Project Purpose

The participants will be able to decide the high priority NTDs and targets for prevention and control in their countries by ranking the health economic burdens that impose on human health for the surveillance and control.

The participants will be competent to guide the management team of their respective health facilities to control NTDs and infection according to the WHO health policies adopting the quality assurance for diagnosis and therapy.

Course Objectives

At the end of the Course, the participants are expected to

1. Acquire essential skills to effectively manage national NTD control programs at their home countries with a rapid overview on the 20 NTDs which includes: Buruli ulcer, Chagas disease, Cysticercosis, Dengue fever, Dracunculiasis, Echinococcosis,

Fascioliasis, African sleeping sickness, Leishmaniasis, Leprosy, Lymphatic filariasis, Onchocerciasis, Rabies, Schistosomiasis. Soil-transmitted helminths, Trachoma, & Yaws). However the detailed discussion will focus on the most prevalent NTDs that have greater negative health impact in the contributing countries.

2. Exchange and share information and knowledge about their successful experiences
3. Strengthen their existing management capacity concerning neglected tropical disease in order to respond more effectively to the integrated delivery of control strategies.
4. Acquire essential skills for maintaining biosafety, biosecurity, ergonomics and infection control with compliance to national and international accreditation guidelines.
5. Acquire the skills to monitor, evaluate and establish disease surveillance, outbreak investigations and other epidemiological tools in order to verify and improve the quality of interventions at various stages of implementation.
6. Develop action plan(s) implementable at participants' organizations upon their return to home countries, if appropriate, in view of the corporate ethical codes
7. Be aware of the study design and research methodologies.
8. Formulating a network between the African participants, JICA and the resource persons facilitating the program and each other.

Duration:

From April 15th to May 10th, 2018 (4 weeks)

Invited Countries:

The Governments of the following countries (in addition to Egypt) will be invited to apply by nominating their applicants for the course: *Burundi, Democratic Republic of Congo, Ethiopia, Eritrea, Kenya, Malawi, Zambia, Sudan, South Sudan, Somalia, Tanzania, Djibouti, Ghana, Liberia, Nigeria, Senegal, Sierra Leone and Uganda.*

The Number of Participants:

The total number of participants will be **Sixteen (16)** maximumly.

Qualification of Applicants:

The applicants are ideally expected to be nominated by their respective Governments in accordance with the procedure stipulated in below.

- 1.1 Presently engaged in clinical diagnosis and management of neglected tropical diseases in ministry of health and health facilities in the invited countries and/or infectious diseases prevention and management and/or laboratory. Participants engaged in JICA Technical Cooperation Projects are encouraged to apply for the course.

- 1.2 In a mid-career leader position, with experience on one or more of the relevant subjects of the course.
- 1.3 Twenty-five (25) years of age or older with at least three-year practical experience and to be forty-five (45) years of age or less.
- 1.4 To have a good command of spoken and written English with excellent level of listening and comprehension.
- 1.5 To have the nationality of the nominating country.
- 1.6 To be in good health, both physically and mentally, to complete the course.

Required Documents for Application

1) Form of nomination (Annex I)

- Part I and Part II: To be completed by nominee.
- Part III: To be completed by an authorized official of the nominating Government.

2) Medical history form (Annex I): To be completed by nominee.

3) Pregnancy: Pregnant participants are strictly requested to attach the following documents to minimize the risk for their health.

1. Letter of the participant's consent to bear economic and physical risks
2. Letter of consent from the participant's supervisor
3. Doctor's letter with permission of her training participation.

4) Base line situation analysis preliminary report about the current situation of the contributing countries that should fulfill at least the following but not limited to:

- Country profile as regard: Geographical context, Demographics, Political and administrative organization of the country, Socio-economic context, Water Supply and Sanitation, organization of the health system, health infrastructures.
- Situation analysis of the most prevalent NTDs as regard: the epidemiology, impact, challenges, strategies for prevention and success stories, if any, for eradication.

Procedure for Application and Selection:

1) PROCEDURE OF APPLICATION:

1.1 The Government invited to nominate applicants for the Course shall forward a copy of the prescribed application form for each nominee to the Government of Arab Republic of Egypt *through diplomatic channels* (Egyptian Embassy or Consulate) not later than April 1st, 2018.

1.2 It is important that all candidates should send a fax or e-mail directly to the Course Director, including a brief CV. This fax or e-mail should indicate that an official application has been made through The Egyptian diplomatic channel in their respective countries.

Dead line of Application: April 1st, 2018.

***N.B. No application will be accepted after the deadline**

***Applications can be officially accepted only through the diplomatic channels.**

2) Selection:

After receiving the documents through diplomatic channels from invited government, Ain Shams University will conduct screenings. Selection will be made by Course Director in consultation with JICA. The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

3) Notice of Acceptance:

The Government of the Arab Republic of Egypt will inform the nominating Government *through diplomatic channels* whether the applicant(s) is/are accepted to the Course not later than April 10th, 2018.

Notification Date: April 1st, 2018

ALLOWANCES & EXPENSES

The following allowances and expenses will be covered:

1. Return air-ticket (economy-class fare) between the international airport of the accepted participant and Cairo International airport. Two way free transportation from Cairo airport to place of accommodation.

Important note: Please mention the nearest international airport to your city and no internal transportation will be covered and no change in tickets after issuing is allowed.

2. Living Allowance (Per-diem): **150 LE/day**
3. Shipping Allowance: **450 LE**
4. Life Insurance will be provided from arrival to departure in Egypt (the traveling time outside Egypt shall not be covered)

5. Free medical care provided in Egypt for participants who may become ill after arrival to Egypt (Costs related to pre-existing illness, pregnancy, or dental are not included).

Note: Expenses at home countries, or domestic transportation at home countries will not be covered.

Accommodation

Free Accommodation will be valid during the course, including the recreational activities, in other cities than Cairo, e.g. Ismailia.

Training Agenda:

The Training course will be conducted in 4 modules (in 4 weeks) as follow:

- a. Module 1:** Overview on the epidemiology and clinical diagnosis of the neglected tropical diseases (NTDs)
- b. Module 2:** Transmission Control For NTDs & preventive chemotherapy through mass drug administration programs
- c. Module 3:** Tips for conducting epidemiologic surveillance with emphasis on Infection prevention and control precautions of the NTDs
- d. Module 4:** Acquiring managerial skills

Detailed Schedule and Intended Learning Objectives:

Included in every module

Training language:

All the lectures and discussions will be in English

Training Activities:

Training Method

Problem solving interactive learning using:

- Illustrated lectures and group discussion.
- Video presentation.
- Case studies.
- Simulation sessions and games
- Presentations of the prepared action plan by the participants
- Action plan prepared by the participants to control selected NTDs in their countries

Training Tools

- Lecture notes will be available for the attendants.

- Relevant selected medical journals' articles and guidelines will be provided.
- Training video tapes will be available
- Field visits and trips

Indicators of success:

- 1- Increase of knowledge by > 30% (using pre- and post-tests)
- 2- Evaluation of the mini projects submitted by the participants
- 3- Reports of the course experts during the onsite visits about the progress of the participants in their action plans during the implementation phase in their countries as regards the percent of achievement, surveillance data, and reanalysis of the situation after implementing the action plans to be compared to the base line analysis to calculate the degree of improvement

Certificates:

Participants who have successfully completed the course by achieving more than 80% of attendance and submission of complete base line situation analysis preliminary report, action plan fulfilling all the required items, 100% submission of the assignments/reports, etc... will be awarded a certificate of course attendance. After they finish their mini projects, they will receive the final certificate of completing the course.

Regulations:

Participants are required to:

- 1- Observe strictly the course schedule.
- 2- Not to extend the training period.
- 3- Not to leave Egypt during the course (Not to return to their country or go to another country except for the case of humanity).
- 4- Not to bring any member of their family.
- 5- Return to their home country on completion of the course, according to the trip schedule designated by the course organizers.+
- 6- Carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Egyptian Government in respect of the training.
- 7- Observe the rules and regulations of the training institutions or establishment in which participants undertake study or training.
- 8- Refrain from engaging in political activities, or any form of employment for profit or gain.
- 9- Discontinue the course, should he/she fall seriously ill and considered unable to continue the training or commit an import act.

PRE-DEPARTURE INSTRUCTION & GENERAL ORIENTATION:

- 1- **Pre-departure instructions for the participants:** Participants are requested to report in person to the Egyptian diplomatic mission in their own country in order to complete the necessary procedures and obtain pre-departure instructions.
- 2- **Visa:** Before leaving their country, participants should obtain a visa for entry to Egypt. Visas will be issued by the Egyptian diplomatic missions in their country.
- 3- **Air-ticket:**
 - ☞ Participants are requested to arrive in and to leave Egypt on the dates designated for the course.
 - ☞ The dates will be finally confirmed by the air-tickets sent to the participants through the travel agency.
 - ☞ The diplomatic missions of Egypt in the participants' country will help with flight confirmation and details.
 - ☞ All flight routes included in the provided air-tickets are Final. It is not allowed to change the routes without consultation with the implementing agency. (The fee of cancelation or change will not be refunded.)
- 4- **Photographs:** For administrative purposes, participants are requested to bring along with them to Egypt three (3) copies of a recent photograph (passport size).
- 5- **Airport:** At International Cairo Airport, a course assistant will be present to welcome the participant, and to arrange his/her transportation to the hotel.
- 6- **Incidental Expenses:** Participants are advised to carry some cash in US dollars for incidental expenses during their trip to Egypt and upon their arrival.
- 7-**Climate:** Winter is considered a pleasant weather in Egypt, with a temperature maximum 35 ° to 10 ° minimum. Rain is rare.
- 8- **Currency:** One Egyptian pound (LE) equals to about .0056 US\$, i.e. one US\$ equals to 17.76 LE.

CORRESPONDENCE

For inquires and further information, please contact diplomatic mission of Egypt or

Please send a copy to the Course Director.
Central Unit of Infection Control,
Ain Shams University, Cairo, EGYPT.
Mobile (1): +201273663152
Mobile (2): +201273663183
Fax: +20224346909
E-Mail: infection.control_office@med.asu.edu.eg
cc to: infection.control@med.asu.edu.eg

ANNEX I
FORM OF NOMINATION

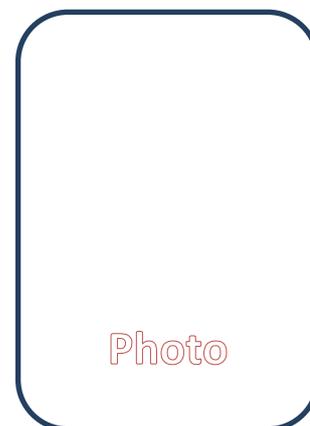
For the Course of:
" Overcome the impact of Neglected Tropical Diseases (NTDs)
in Africa "

April 15th to May 10th 2018

Part I (To be completed by nominee. Please print or type)

(Surname)

(First name)



1. Name:-----
2. . Sex: Male Female
3. Title / Degree:-----
4. Date & Place of birth:-----
5. Address for correspondence:-----

6. Number of Passport::-----
7. E-mail :-----
8. Fax:-----
9. Tel:-----

N.B. Please type a clear phone, fax number, E-mail and participant's address for a rapid and efficient correspondence between the course organizers, the Egyptian Diplomatic Mission and the selected participant for attending the course.

10. Marital Status :-----
11. Nationality:-----
12. Preferred International airport for departure from your country-----

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13. Name & Address of person to be notify in case of emergency: -----

Tel : -----

Fax : -----

e-mail : -----

Please send a copy to the Course Director.

Central Unit of Infection Control,

Ain Shams University, EGYPT.

Mobile (1): +201273663152

Mobile (2): +201273663183

Fax: +20224346909

E-Mail: infection.control_office@med.asu.edu.eg

Cc to: infection.control@med.asu.edu.eg

14. EDUCATIONAL RECORD:

<i>Institute</i>	<i>Location</i>	<i>Attended</i>		<i>Degree</i>	<i>Fields of Study</i>
		<i>From</i>	<i>To</i>		
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2.					
3.					

15. EMPLOYMENT RECORD:

15.1 Present Post:

Name of organization: -----

Address of Organization: -----

Your Current position: From: ----- To: -----

15.2 Previous Post:

Name of Organization: -----

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Address of Organization: -----

Your position:

From: ----- To: -----

15.3 Describe briefly the work of your organization and the service it provides.

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15.4 Describe your own job.

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15.5 Explain how the proposed training will be of benefit to you in the work you will be doing on your return.

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15.6 List in brief what topics you expect to be covered in the course.

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16. The EXPERIENCES

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Part II

(To be completed by nominee)

I, of

(Name of nominee)

(Country)

I certify that the statement made by me in this form is true, complete and correct to the best of my belief, and undertake to follow all the regulations included in the General Information of the Course.

..... 2018

(Signature of nominee- Date)

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PART III

(To be completed by an authorized official of the nominating Government)

1. OFFICIAL NOMINATION

On behalf of the Government of, I certify that:

- A. I have examined the educational, professional or other certificates quoted by the nominee in **Part I** of this form and I am satisfied that they are authentic and relate to the nominee.

- B. I have examined the medical certificate produced by the nominee which states that he is medically fit and free from any infectious disease and with regard to his physical and mental history there is no reason to suppose that the nominee is other than fit to undertake the journey to EGYPT and to remain under training in that country.

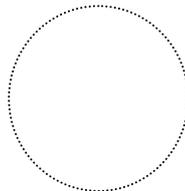
- C. The nominee has knowledge of spoken and written English sufficient to enable him to follow the course of training for which he is being nominated, and that he can converse easily on every day matter.

I nominate him accordingly on behalf of the Government of

Signature:

Position:

Date:



Official Stamp

Organization:

2. CORRESPONDENCE: *(Please indicates person and address to which any correspondence regarding this from can be addressed.)*

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ANNEX II

Training Agenda

MODULE 1: OVERVIEW ON THE EPIDEMIOLOGY AND CLINICAL DIAGNOSIS OF THE NEGLECTED TROPICAL DISEASES (NTDs)

Intended Learning Objectives:

At the end of this module, the participant will be able to:

1. Recognize the most popular NTDs
2. Identify the impacts of NTDs
3. Summarize the most important facts about NTDs
4. Identify the diagnostic challenges of each NTD
5. Recognize the most important guideline in management of NTDs with emphasis on the multi-disciplinary role for management
6. Describe the basic principles & interpretation of some important techniques in diagnosis of NTDs.
7. Recognize Basic tools in bio-risk, biosafety, and biosecurity.

Time: the module will be executed in 5 days (40 hours)

Day 1: General Orientation with the NTDs and the worldwide activities to overcome		
Topic	Duration (min)	Time
Course orientation & welcome the participants	20	9:00-9:20
Pre-test	30	9:20-9:50
First session: NTDS overview	170	9:50-12:10
Basic facts about the epidemiology of NTDs including but not limited to: Buruli ulcer, Chagas disease, Cysticercosis, Dengue fever, Dracunculiasis, Echinococcosis, Fascioliasis, African sleeping sickness, Leishmaniasis, Leprosy, Lymphatic filariasis, Onchocerciasis, Rabies, Schistosomiasis. Soil-transmitted helminths, Trachoma, & Yaws	120	9:50-11:50
The global burden of NTDs	30	11:50-12:20
Interactive session: exercise cards with different NTDs as regard the risk, mode of transmission & causative organism	20	12:20-12:40
Coffee break	30	12:40-1:10
Second session: Global experience to face NTDS	200	1:10-4:30
NTDs in Africa: WHO goals	60	1:10-2:10
JICA's global activities to overcome the NTDs	60	2:10-3:10
Egyptian success stories in facing the challenge of NTDs	60	3:10-4:10
AMHO: Medical students have a role too	20	4:10-4:30
Lunch break	30	4:30-5:00
Day 2: Standard Diagnostic tools and challenges for NTDs		
Topic	Duration (min)	Time
First session: Basic microbiological laboratory concepts	120	9:00-11:10
Microbiological & immunological overview against infectious agents	60	9:00-10:00
How to obtain proper specimen for laboratory diagnosis	30	10:00-10:30
The concept of interpretation & communication of the laboratory results	30	10: 30-11:00
Second Session: Safety in microbiological laboratory	120	11: 00-1:00
Laboratory biosafety, Risk Management, & Risk Communication	60	11: 00-12:00

Biosecurity & Bioethics	60	12:00-1:00
Coffee break	30	1:00-1:30
Second session: Diagnostic tools for NTDs	180	1:30-4:30
Basic diagnostic principles & challenges for diagnosis of NTDs	60	1:30-2:30
Rapid and cost-effective laboratory test for mass screening of NTDs	60	2:30-3:30
Basics of molecular biology techniques and their possible role for diagnosis of infectious diseases	60	3:30-4:30
Lunch break	30	4:30-5:00
Day 3: Detailed view for the most popular NTDs of African concern		
Topic	Duration (min)	Time
Introduction to Arabic language	10	9:00-9:10
First session: The most prevalent NTDs in Africa causing disease burden	290	9:10-2:30
Lymphatic Filariasis, Onchocerciasis, Dracunculiasis	40	9:10-10:00
Schistosomiasis & Trachoma	40	10:00-10:50
GIT helminthiasis (Ascaris, Hookworm, Trichuriasis, Echinococcosis)	40	10:50-11:40
Human African Trypanosomiasis, Leishmaniasis	40	11:40-12:20
Coffee break	30	12:20-12:50
Buruli ulcer, Dengue fever, Mycetoma and other deep mycosis	90	12:50-1:50
Leprosy: poised for elimination	40	1:50-2:30
Second Session: Practical training on the basic diagnostic tests for NTDs (part 1)	120	2:30-4:30
Lunch break	30	4:30-5:00
Day 4: Integrated interventions for management of NTDs (part1)		
Topic	Duration (min)	Time
First session: Multidisciplinary management of NTDs	300	9:00-2:30
Diagnosis and prevention of ophthalmic complications of NTDs	60	9:00-1:00

Cutaneous manifestation of NTDs: how to manage?	60	1:00-11:00
Role of Gastroenterologist in management of NTDs	60	11:00-12:00
Hematological drawbacks of NTDs infections	60	12:00-1:00
Coffee break	30	1:00-1:30
Neurological complications and protentional intervention	30	1:30-2:00
The role of Tele-medicine in managing the quality versus cost dilemma	30	2:00-2:30
Second Session: Practical training on the basic diagnostic tests for NTDs (part 2)	120	2:30-4:30
Lunch break	30	4:30-5:00
Day 5: Integrated interventions for management of NTDs (part2)		
Topic	Duration (min)	Time
Introduction to Arabic language	15	9:00-9:15
First session: Surgical management of NTDs	120	9:15-11:25
Role of surgery in treatment of NTDs	30	9:15-9:55
Anatomage practical training	90	9:55-11:25
Coffee break	30	12:05-12:35
Second session: Practical approach to patients with fever of unknown origin	60	12:35-2:05
Evaluation of the first week	25	2:05-2:30
Third session: Practical training on the basic diagnostic tests for NTDs (part 3)	180	2:30-4:30
Lunch break	30	4:30-5:00

MODULE 2: TRANSMISSION CONTROL FOR NTDs & PREVENTIVE CHEMOTHERAPY THROUGH MASS DRUG ADMINISTRATION PROGRAMS

Intended Learning Objectives:

At the end of this module, the participant will be able to:

1. Describe the mass drug administration program implementation
2. Identify challenges of applying mass drug administration program
3. Enumerate monitoring of mass drug administration program
4. Identify basic epidemiological and research tools in studying and controlling NTDs.
5. Formulation of an action plan management of NTDs
6. Evaluate mass drug administration program
7. Recognize strategies to control NTDs and possible challenges
8. Describe basics of water safety and vectors control of NTDs

Time: the module will be executed in 5 days (40 hours)

Day 1: ABC of improvement projects		
Topic	Duration (min)	Time
First session: Get Ready for your action plan preparation	180	9:00-12:00
How to tailor an improvement project?	90	9:00-10:30
Action Plans design	60	10:30-11:30
Distribution of the action plans	30	11:30-12:00
Coffee break	30	12:00-12:30
Second session: Research methodologies workshop	240	12:30-4:30
Lunch break	30	4:30-5:00
Day 2: General overview on mass drug administration program to prevent NTDs		
Topic	Duration (min)	Time
First session: General prospects for the control of NTDs through MDA program	180	9:00-12:00
Basic facts about preventive chemotherapy and treatment control	60	9:00-10:00
WHO policy for implementation of mass drug administration program	60	10:00-11:00
Stories of local successes and challenges in combating NTDs (10 mins presentations by 6 of the participants)	60	11:00-12:00
Coffee break	30	12:00-12:30
Second session: Monitoring and evaluation of the implemented MDA program	120	12:30-2:30
Methods to monitor implemented mass drug administration program	60	12:30-1:30
Evaluation of mass drug administration program: Can be stopped?	60	1:30-2:30
Third Session: Efforts to Overcome the common adverse events of MDA	90	2:30-4:00
WHO recommendations for detection, management & prevention of serious adverse events of mass drug administration	90	2:30-4:00

Fourth Session: Round tables discussion for the action plan design	30	4:00-4:30
Lunch break	30	4:30-5:00
Day 3: Targeted mass drug administration program to prevent certain NTDs		
Topic	Duration (min)	Time
First session: Popular MDA guidelines in Africa	180	9:00-12:00
Mass drug administration program for prevention of lymphatic Filariasis	30	9:00-9:30
Mass drug administration program for prevention of Onchocerciasis	30	9:30-10:00
Mass drug administration to control Schistosomiasis	30	10:00-10:30
Lessons for implementing mass drug administration for human soil-transmitted helminthiasis	60	10:30-11:30
Mass drug administration program for Trachoma: Cost per gain	30	11:30-12:00
Coffee break	30	12:00-12:30
Second Session: Mass drug administration program for prevention of other common infectious diseases in Africa	120	12:30-2:30
Stories of local successes and challenges in combating NTDs (10 mins presentations by 6 of the participants)	60	2:30-3:30
Second Session: Role of family medicine in primary diagnosis and prevention of NTDs among the community	60	3:30-4:30
Lunch break	30	4:30-5:00
Day 4: Overcome adverse events the social stigma of NTDs & publish your clinical data		
Topic	Duration (min)	Time
First Session: Working to overcome social discrimination and stigma towards NTDs	180	9:00-12:00
Stigma and social burden of NTDs	90	9:00-10:30
Overcoming superstition in your community	30	10:30-11:00
Stories of local successes and challenges in combating NTDs (10 mins presentations by 6 of the participants)	60	11:00-12:00
Coffee break	30	12:00-

		12:30
Second Session: The skill of preparing, presenting & publishing clinical data	210	12:30-4:00
Third Session: Round tables discussion for the action plan design	30	4:00-4:30
Lunch break		4:30-5:00
Day 5: Basics of water safety and vectors control of NTDs		
Topic	Duration (min)	Time
Introduction to Arabic language	10	9:00-9:10
First session: Role of water safety in control of NTDs	210	9:10-12:40
Role of water sanitation to wash away NTDs burden	30	9:10-9:40
Water sampling and laboratory assessment for safety	60	9:40-10:40
House hold water treatment and storage	60	10:40-11:40
Hospital water and air safety	60	11:40-12:40
Coffee break	30	12:40-1:20
Second Session: the updated potential for vector control of the NTDs	180	1:20-4:30
Strategies for vector control	60	1:20-2:20
Soil treatment for parasites control	30	2:20-2:50
Post elimination surveillance /monitoring	60	2:50-3:50
Stories of local successes and challenges in combating NTDs (10 mins presentations by 3 of the participants)	30	3:50-4:20
Evaluation of the second week	10	4:20-4:30
Lunch break	30	4:30-5:00

MODULE 3: TIPS FOR CONDUCTING EPIDEMIOLOGIC SURVEILLANCE WITH EMPHASIS ON INFECTION PREVENTION & CONTROL PRECAUTIONS OF THE NTDS

Intended Learning Objectives:

At the end of this module, the participant will be able to:

1. Identify basic facts about hygiene and infection control
2. Describe how and when to implement standard precaution and transmission based isolation precautions in the health care facilities within available resources
3. Recognize different techniques for safe reprocessing of instruments.
4. Describe the guidelines and basic principles in environmental cleaning and safety.
5. Summarize the various types of cleaning agents and disinfections and their applications.
6. Describe the key concepts and general principles in waste management including handling and disposal of sharps.
7. Analyze the impact of hand hygiene in infection prevention and control.
8. Apply the best use of personal protective equipment
9. Apply a plane to prevent and manage occupational exposure to infections#
10. Identify WHO recommendations for prevention of common infectious diseases in Africa
11. Define out breaks and infection surveillance
12. Describe reportable diseases

Time: the module will be executed in 5 days (40 hours)

Day 1: Standards precautions of infection control (part1)		
Topic	Duration (min)	Time
First Session: Infection control program & the cornerstones of infection control: Hand hygiene & personal protective equipment	210	9:00-1:50
Introduction to hygiene and infection control	40	9:00-9:40
Formulating an efficient infection control program in health care setting	60	9:40-10:40
Hand Hygiene: types, techniques & indications	50	10:40-11:20
Practical training on hand hygiene	40	11:20-12:00
Coffee break	30	12:00-12:30
Personal protective equipment to be used by the health care workers	40	12:30-1:10
Practical training on Personal protective equipment	40	1:10-1:50
Second Session: Practical training in Infection Control Unit Environmental Laboratory-Ain Shams University Hospitals	150	1:50-4:30
Lunch break	30	4:30-5:00
Day 2: Standards precautions of infection control (part2)		
Topic	Duration (min)	Time
First Session: Aseptic techniques & injection safety	200	9:00-12:20
The spectrum of medical techniques from clean to sterile	40	9:00-9:40
Group discussion: exercise cards with different technique	15	9:40-9:55
Practical training on insertion of peripheral, central cannulas & urinary catheter	45	9:55-10:40
Preparation of multi dose vial	30	10:40-11:10
Prevention of surgical site infection	40	11:10-11:50
Post- surgical wound dressing (practice & video session)	30	11:50-12:20
Coffee break	30	12:20-12:50

Second Session: Wise use of antibiotics	220	12:50-4:30
Proper antimicrobial use & prophylaxis	60	12:50-1:50
Threats of Multidrug resistance strains	60	1:50-2:50
Formulation of antimicrobial stewardship to overcome resistance	40	2:50-3:30
Safe Use of instruments in health care facilities (HCFs)	60	3:30-4:30
Lunch break	30	4:30-5:00
Day 3: Occupational, blood & environmental safety		
Topic	Duration (min)	Time
First Session: occupational safety	200	9:00-1:50
Occupational safety on exposure to NTDs and blood borne pathogens & the post exposure management	90	9:00-10:30
Case study: Needle stick injury & post exposure management	30	10:30-11:00
Immunizations and WHO recommendations for prevention of common infectious diseases in Africa	60	11:00-12:00
Interactive exercise for immunization	20	12:00-12:20
Coffee break	30	12:20-12:50
Challenges for programs of community health education and behavior change	60	12:50-1:50
Second session: Blood transfusion safety	60	1:50-2:50
Third session: Environmental safety: cleaning Technique, materials needed & waste management	60	2:50-3:50
Stories of local successes and challenges in combating NTDs (10 mins presentations by 4 of the participants)	40	3:50-4:30
Lunch break	30	4:30-5:00
Day 4: Surveillance of infections and outbreak management		
Topic	Duration (min)	Time
First Session: Basics of surveillance and	270	9:00-

isolation of infected cases		12:20
Reportable diseases, isolation & quarantine	120	9:00-11:00
Basics of infection surveillance	120	11:00-1:00
Coffee break	30	1:00- 1:30
Evaluation & monitoring the implemented surveillance system	30	1:30-2:00
Second session: Management of outbreak workshop	150	2:00- 4:30
Lunch break	30	4:30- 5:00
Day 5: Field Visit		
Topic	Duration (min)	Time
Field visit to Ismailia government - Change management workshop - Leadership and management workshop - Evaluation of the third week		All the day long

MODULE 4: ACQUIRING MANAGERIAL SKILLS

Intended Learning Objectives:

At the end of this module, the participant will be able to:

1. Identify the concept of total quality management in health care facilities
2. Recognize how a good leader and a good trainer could be a great help in management
3. Identify requirements for better communication

Time: the module will be executed in 5 days (40 hours)

Day 1: Basics of managerial skills (part1)		
Topic	Duration (min)	Time
Field visits to Ain Shams University Hospitals to visit: Laundry, kitchen, shredding autoclave unit, OR, isolation room, BMT unit & central sterilization unit	270	9:00-1:30
Coffee break	30	1:30-2:00
Basics of biostatistics	50	2:00-2:50
Ergonomics	30	2:50-3:20
How to arrange an internal audit	40	3:20-4:00
The art of time management	30	4:00-4:30
Lunch break	30	4:30-5:00
Day 2: Basics of managerial skills (part2)		
Topic	Duration (min)	Time
First session: Best use of the available resources (health care budgeting, financing, & fund raising)	180	9:00-12:00
Coffee break	30	12:00-12:30
Second Session: communication skills workshop	180	12:30-3:30
Third session: The art of planning (long & short term)	60	3:30-4:30
Lunch break	30	4:30-5:00
Day 3: Health care quality improvement act & preparing a good trainer		
Topic	Duration (min)	Time
First session: Overview of total quality management in health care setting workshop	120	9:00 -

		1:00
Coffee break	30	1:00-1:30
Second Session: Training of trainer (TOT) workshop	60	1:30-4:30
Action plans discussion	180	9:30-12:30
Lunch break	30	4:30-5:00
Day 4: Field visit		
Field visit to fever hospital	All the day long	
Field visit to National Blood Bank		
5th day: Closing of the course		
Topic	Duration (min)	Time
Posttest evaluation	30	9:00-9:30
Action plans discussion	60	9:30-12:30
Whole course evaluation with the JICA members	30	12:30-1:00
Closing Ceremony & distribution of Certificates	120	1:00-3:00