



FONDAZIONE
IVO DE CARNERI ONLUS

For the promotion of control strategies against
parasitic diseases in developing countries
and to encourage research in parasitology

Under the auspices of



University of Brescia,
Institute of Infectious
and Tropical Diseases

Management of programmes for communicable diseases control in Sub-Saharan Africa

Sixth Residential Course



PUBLIC HEALTH LABORATORY
IVO DE CARNERI

Pemba
Tanzania

28 September -
09 October 2009



Scientific Secretariat

- Institute of Infectious and Tropical Diseases
University of Brescia
Francesco Castelli, Alberto Matteelli
Piazza Spedali Civili 1, 25125 Brescia - Italy
Phone: +39.030.3995802 - Fax: +39.030.303061
amateelli@bsnet.it
- Ivo de Carneri Foundation
Marco Albonico, Deborah Cocorullo
Viale Monza 44, 20127 Milan – Italy
Phone: +39.02.28900393 - Fax: +39.02.28900401
d.cocorullo@fondazionedecarneri.it
- Public Health Laboratory Ivo de Carneri
Said Mohamed, Shaali Ame
P.O. Box 122, Pemba – Zanzibar, Tanzania
Phone/fax : +255.(0)24.2452003
saidmali2003@yahoo.com

Organizing Secretariat

- Ivo de Carneri Foundation,
Zanzibar Branch
Yahya Mohammed Al-Sawafy
P.O. Box 3773, Zanzibar - Tanzania
Phone/fax: +255.(0)24.2452550
fondecar@phlidc.net
- Public Health Laboratory Ivo de Carneri
Sabra Khalfan, Abeid Said Muharram
PO Box 122, Pemba Island, Zanzibar Tanzania
Phone/fax: +255.(0)24.2452003
sskhalfan2003@yahoo.com

Course background

The training course is designed as a practical tool to provide health staff scientific knowledge and skills to tackle the great challenges which are affecting billion of people, especially in developing countries. Malaria is still number one killer among parasitic diseases: despite the world-wide efforts of prevention and control through combination therapy, 90% of the over 1 million malaria deaths occurs in children from Sub-Saharan Africa. Intestinal parasitic infections, filariasis, schistosomiasis and other neglected tropical diseases (NTDs) carry a major burden on children and adolescents, affecting their health at a crucial step of development. Innovative strategies have been designed for the NTDs integrated control. The AIDS epidemic, with its devastating consequence on economy and on the fate of million of orphanage, is knocking down the African continent and other affected countries. Epidemiology of STD is closely linked with HIV infection and drug resistance is rising. Tuberculosis is a global threat, associated with HIV, and it is re-emerging in developed countries. New and old outbreaks continue to occur in pockets with the risk of spreading rapidly around the world. Cholera still hits hundreds of thousand people and the surveillance and control of epidemics too often relies on external intervention. Health planners and health managers should be prepared to tackle endemic and epidemic diseases with appropriate and effective strategies, with special focus on sub-Saharan Africa and low-income countries.

Course rationale

The initiative of planning training courses for health workers coming both from developed and developing countries is based on the strategy of exchanging resources between North and South. Training of international level carried out in an African Institution reduces costs and maximizes training opportunities for health personnel from Sub-Saharan Africa. Moreover, the opportunity for health cadres from European countries of having an experience “in the field”, i.e. in countries where tropical diseases are endemic, is extremely important for better understanding the reality, the epidemiological scenario and the health challenges of a developing country. Presentations of control programmes for diseases of public health importance - as they are implemented in endemic countries, visits to transmission sites of vector borne diseases, schools, hospitals and dispensaries will offer to participants a unique insight of the health challenges and their possible solutions in an endemic country. Participants will be also guided through group-work to design a control programme for a public health priority of their choice.

Monday September 28th	First Day: Introduction	
9.00	Opening of the Course Dr MOHAMED JIDDAWI	
9.30	Introduction to the Course Introduction of Participants	
10.30	<i>Coffee Break</i>	
11.00	<i>First session</i> Pre-Test	
12.00	Health system and public health priorities in Zanzibar Mr SAID MOHAMED	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second Session</i> Research, training and control activities of the Public Health Laboratory Ivo de Carneri (PHL-IdC) on communicable diseases Dr MARCO ALBONICO	Case study
	<i>Break</i>	
16.15	Project cycle management: how to write a project proposal Dr DEBORAH COCORULLO	Front lecture with plenary discussion

Tuesday September 29 th	Second Day: Malaria	
9.00	<i>First session</i> The success story of Malaria Control in Zanzibar: combination therapy, IPT, ITN, IRS, Vector control Mr ABDALLA ALI	Case study
10.45	<i>Coffee Break</i>	
11.15	Challenges of sustaining effective malaria control: from hyper to hypo endemicity Dr FABRIZIO MOLTENI	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second session</i> Challenges of sustaining effective malaria control: from hyper to hypo endemicity (continued) Dr FABRIZIO MOLTENI	Case study
	<i>Break</i>	
16.15	Laboratory diagnosis of malaria and quality assurance at district level Mr SHAALI AME and LAB STAFF	Laboratory Session

Wednesday September 30 th	Third Day: Field visits – EPI and IMCI		
	9.00	<i>First session</i> Challenges of managing a referral hospital in Sub-saharan Africa Dr in Charge / Dr STEFANO IOZZI	Field Visit
	10.30	<i>Coffee Break</i>	
	11.00	Visit to Chake-Chake Hospital and discussion of clinical cases Dr in Charge	Case Study
	13.00	<i>Lunch Break</i>	
	14.15	<i>Second Session</i> The challenge of sustaining EPI in Zanzibar Mr ABDUL A. SALEH	Case Study
16.15	<i>Break</i> The Integrated Management of the Child in hospitals and in primary health care units Mrs SITI MAKAME	Front lecture with plenary discussion	

Thursday October 1 st	Fourth Day: Managing a Distric Hospital		
	9.00	<i>First session</i> Visit to the MCH clinic at Wingwi Primary Health Care Unit CLINIC STAFF	Case study
	10.45	<i>Coffee Break</i>	
	11.15	Visit to Micheweni Cottage Hospital (North Pemba) Dr SEIF SULEIMAN	Field Visit
	13.00	<i>Lunch Break</i>	
	14.15	<i>Second session</i> Surveillance system and health Information management Mr RASHID KOMBO	Group Work
16.15	<i>Break</i> Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work	

Friday October 2 nd	Fifth Day: Helminthic infections		
	9.00	<i>First session</i> Elimination of Lymphatic Filariasis in Zanzibar: a success story Mr MOHAMMED KHALFAN	Case study
	10.00	Challenges for NTD Control in Zanzibar Dr OMAR SULTAN	Case study
	10.45	<i>Coffee Break</i>	
	11.15	Prevention of Onchocercosis and Trachoma Dr GRACE SAGUTI	Case study
	13.00	<i>Lunch Break</i>	
	14.15	<i>Second Session</i> Success and constraints of Schistosomiasis and Intestinal Helminthiasis Control Programmes in Zanzibar Dr MARCO ALBONICO	Case study
	16.15	<i>Break</i> Field techniques for the diagnosis of urinary schistosomiasis, intestinal helminthiasis and lymphatic filariasis at community level Mr SHAALI AME and LAB STAFF	Laboratory Session

Monday October 5 th	Eighth Day: Epidemics and Safe Water supply		
	9.00	<i>First session</i> Cholera: the global picture Dr MARCO ALBONICO	Front lecture with plenary discussion
	10.00	Surveillance of epidemics in Zanzibar Mr SHAALI AME	Case study
	10.45	<i>Coffee Break</i>	
	11.15	Routine monitoring of water supply in Pemba island Mr MSHINDO OMAR BAKAR	Case study
	12.00	Access to safe water in Chake Chake district Mr MSHINDO OMAR BAKAR	Case study
	13.00	<i>Lunch Break</i>	
	14.15	<i>Second session</i> Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work
16.15	<i>Break</i> Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work	

Tuesday October 6 th	Sixth Day: HIV/AIDS	
9.00	<i>First Session</i> AIDS: global epidemiology Dr ALBERTO MATTEELLI	Front lecture with plenary discussion
10.45	<i>Coffee Break</i>	
11.15	The challenge of coordinating partners of HIV/AIDS Control Programme in Zanzibar Ms ASHA ABDALLAH	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second Session</i> HIV/AIDS Control Programme in Zanzibar: Epidemiology, access to ARV therapy, Prevention of Mother to Child Transmission, counselling and surveillance Dr MOHAMMED DAHOMA	Case Study
16.15	<i>Break</i> STI and HIV interactions Dr ALBERTO MATTEELLI	Front lecture with plenary discussion

Wednesday October 7 th	Seventh Day: Tuberculosis	
9.00	<i>First session</i> Tuberculosis: epidemiology and disease burden in Sub-saharan Africa Dr ALBERTO MATTEELLI	Front lecture with plenary discussion
10.45	<i>Coffee Break</i>	
11.15	Tuberculosis and leprosy control strategies in Zanzibar Mr JUMA MUHSIN	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second Session</i> Tuberculosis Control Programme: DOTS strategy, drug access and standard regimens, multidrug-resistant strains Dr ALBERTO MATTEELLI	Front lecture with plenary discussion
16.15	<i>Break</i> HIV/TB interactions Dr ALBERTO MATTEELLI	Front lecture with plenary discussion

Thursday October 8 th	Ninth Day: Mother & Child Health		
	9.00	<i>First session</i> Visit to a Primary School Mr SALEH JUMA	Field Visit
	10.00	Schisto and intestinal helminths transmission sites Mr SALEH JUMA <i>Coffee Break</i>	Field Visit
	11.15	Mother and Child Health priorities Dr HANUNI WAZIRI	Case Study
	13.00	<i>Lunch Break</i>	
	14.15	Traditional Medicine Mr OMAR KHAMIS FUNDI <i>Break</i>	Case Study
	16.15	Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work

Friday October 9 th	Tenth Day: Project Proposals Presentations		
	9.00	Presentations of project proposals from the trainees ALL PARTICIPANTS	Seminar
	10.45	<i>Coffee Break</i>	
	11.00	Presentations of project proposals from the trainees ALL PARTICIPANTS	Seminar
	13.00	<i>Lunch break</i>	
	14.15	Post test, Final Course Evaluation ALL PARTICIPANTS 15.30 Closing Ceremony Representative of the ITALIAN EMBASSY	

LECTURERS

Asha	Abdallah	Executive Director, Zanzibar AIDS Commission
Marco	Albonico	Scientific Director, Ivo de Carneri Foundation
Abdullah S.	Ali	Manager Zanzibar Malaria Control Programme, MoHSW, Zanzibar
Shaali M.	Ame	Head of Laboratory Services, Public Health Laboratory Ivo de Carneri
Mshindo O.	Bakar	Environmental Engineer, Zanzibar Water Authority, Pemba
Deborah	Cocorullo	Project Manager, Ivo de Carneri Foundation
Mohammed	Dahoma	Manager Zanzibar Aids Control Programme, MOHSW
Omar K.	Fundi	Traditional Practitioner, Pemba
Stefano	Iozzi	Expatriate Surgeon – Ivo de Carneri Foundation
Mohammed	Jiddawi	Principal Secretary, MoHSW Zanzibar
Saleh	Juma	Health Officer, Public Health Laboratory Ivo de Carneri
Mohammed	Khalfan	Manager for NTD Control, MoHSW, Zanzibar
Rashid	Kombo	HMIS focal person, Pemba MoHSW, Zanzibar
Siti	Makame	IMCI Focal person, Pemba MoHSW, Zanzibar
Alberto	Matteelli	Institute of Infectious and Tropical Diseases, University of Brescia, Italy
Said	Mohamed	Director, Public Health Laboratory Ivo de Carneri
Fabrizio	Molteni	USAID/RTI, Tanzania
Juma	Mushin	Manager TB/LP Control Programme, Zanzibar
Grace	Saguti	National Professional Officer - Disease Prevention & Control, WHO Office in Tanzania
Abdul A.	Saleh	Coordinator EPI, MoHSW, Zanzibar
Seif	Suleiman	In charge of Micheweni cottage hospital, Pemba
Omar	Sultan	WHO focal person for NCD/NTD Zanzibar
Hanuni	Waziri	Programme Manager Safe Motherhood, MoHSW Zanzibar

Generously supported by:



A special mention to the Italian Association Carlo Urbani (AICU) who has supported the Ivo de Carneri Foundation (IdCF) for the implementation of training activities from the very beginning. Our grateful thoughts go to Dr Carlo Urbani, colleague and friend who initiated this training philosophy based on exchange from developed and developing world in collaboration with the IdCF back in 2000 in Macerata (Italy) and who keeps supporting us, by sharing both principles and ideals, through the Association established in his name.