



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

Fifth Residential Course



PUBLIC HEALTH LABORATORY
IVO DE CARNERI

Pemba
Tanzania

**10 November -
21 November 2008**



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
amatteelli@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, Paolo Chiodini
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@phlfdc.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 November 10th	First Day: Introduction	
9.00	Opening ceremony Dr MOHAMED JIDDAWI	
9.30	Introduction to the Course Presentation of Participants	
10.30	<i>Coffee Break</i>	
11.00	<i>First session</i> Health system and public health priorities in Zanzibar Mr SAID MOHAMED	Case study
12.15	Prevention, research and training programmes of the Public Health Laboratory Ivo de Carneri (PHL-IdC) on tropical diseases Dr MARCO ALBONICO	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second Session</i> Visit of PHL-IdC premises	Field Visit
15.00	Pre-Test	
16.00	Project cycle management: how to write a project proposal Dr DEBORAH COCORULLO	Front lecture with plenary discussion

Tuesday November 11 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
16.15	<i>Break</i> Laboratory diagnosis of malaria and quality assurance at district level Mr SHAALI AME and LAB STAFF	Laboratory Session

Wednesday November 12 th	Third Day: Field visits – EPI and IMCI	
9.00	<i>First session</i> Visit to the Mother and Child Clinic in Gombani and Case Discussion Mr YAHYA MOHAMMED AND CLINIC STAFF	Field Visit
10.30	Visit to a Cottage Hospital (North Pemba, Micheweni) Dr RASHID KOMBO	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
	<i>Break</i>	
16.15	The Integrated Management of the Child in hospitals and in primary health care units Dr PAOLO CHIODINI	Front lecture with plenary discussion

Thursday November 13 th	Fourth 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	Surveillance system and health Information management Mr RASHID KOMBO	Case study
13.00	<i>Lunch Break</i>	
14.15	<i>Second session</i> Routine monitoring of water supply (chemical, physical, microbiological) in Pemba island Mr MOHAMMED ABDALLA	Seminar
15.00	Water supply in Pemba island and access to safe water in Chake Chake district Mr MSHINDO OMAR BAKAR	Field Visit
	<i>Break</i>	
16.15	Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work

Friday
November
14th

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	Prevention of Onchocercosis and Trachoma Dr GRACE SAGUTI	Case study
10.45	<i>Coffee Break</i>	
11.15	Success and Constraints of Schistosomiasis and Intestinal Helminthiasis Control Programmes in Zanzibar Dr MARCO ALBONICO	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 (continued) 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
November
17th

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 HALIMA ALI	Case study
13.00	<i>Lunch Break</i>	
14.15 16.00	<i>Second Session</i> HIV/AIDS Control Programme in Zanzibar: Epidemiology, access to ARV therapy, prevention of MtC 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

Tuesday
November
18th

Seventh Day: Tuberculosis

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

Wednesday
November
19th

Eighth Day: Managing a District Hospital

9.00	<p>First session Challenges of managing a referral hospital in Sub-saharan Africa Dr IN CHARGE AT CHAKE HOSPITAL/Dr LUIGI LANZANI</p>	Case study
10.45	Coffee Break	
11.15	<p>Visit to the Chake-Chake Hospital and discussion of clinical cases Dr IN CHARGE AT CHAKE HOSPITAL</p>	Field Visit
13.00	Lunch Break	
14.15	<p>Second session Writing project proposals on Public Health Priorities Dr MARCO ALBONICO</p>	Group Work
	Break	
16.15	<p>Writing project proposals on Public Health Priorities Dr MARCO ALBONICO</p>	Group Work

Thursday
November
20th

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	Field Visit
	<i>Coffee Break</i>	
11.15	Mother and Child Health priorities Dr HANUNI WAZIRI	Case Study
13.00	<i>Lunch Break</i>	
14.15	Traditional Medicine PERSON TO BE IDENTIFIED	
15.45	Writing project proposals on Public Health Priorities Dr MARCO ALBONICO	Group Work

Friday
November
21st

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 Mr BENEDETTO GIUNTINI	

LECTURERS

- Mr Abdullah S. Ali, Manager Zanzibar Malaria Control Programme, MoHSW, Zanzibar
- Mr Abdul A. Saleh, Coordinator EPI, MoHSW, Zanzibar
- Dr Alberto Matteelli, Institute of Infectious and Tropical Diseases, University of Brescia, Italy
- Ms Asha Ali, Executive Director, Zanzibar AIDS Commission
- Mr Benedetto Guintini, First Secretary Italian Embassy, Dar es Salaam
- Dr Deborah Cocorullo, Project Manager Ivo de Carneri Foundation
- Dr Fabrizio Molteni, USAID/RTI, Tanzania
- Dr Grace Saguti, Ophthalmologist PM MOCP/NECP, MoHSW Tanzania
- Dr Hanuni Waziri, Programme Manager Safe Motherhood, MoHSW, Zanzibar
- Dr Juma Muhsin, Manager TB/LP Control Programme, Zanzibar
- Dr Marco Albonico, Scientific Director Ivo de Carneri Foundation
- Mr Mohammed Abdallah, Head, Zanzibar Water Authority, Pemba
- Dr Mohammed Dahoma, Manager Zanzibar Aids Control Programme, MOHSW
- Dr Mohamed Jiddawi, Principal Secretary, MoHSW Zanzibar
- Mr Mohammed Khalfan, Programme Manager for Elimination of Lymphatic Filariasis, MoHSW, Zanzibar
- Mr Mshindo Omar Bakar, Environmental Engineer, Zanzibar Water Authority, Pemba
- Dr Paolo Chiodini, Italian Cooperation and PHL-IdC Assistant Director
- Mr Rashid Kombo, HMIS focal person, Pemba MoHSW, Zanzibar
- Mr Said Mohamed, Acting Director, Public Health Laboratory Ivo de Carneri
- Mr Saleh Juma, Health Officer, Public Health Laboratory Ivo de Carneri
- Mr Shaali M. Ame, Head of Laboratory Services, Public Health Laboratory Ivo de Carneri
- Ms Siti Makame, IMCI Focal person, Pemba MoHSW, Zanzibar
- Mr Yahya Al Sawafy, IdCF Residential Representative, Zanzibar

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.

Generously supported by:

 **aicu** associazione italiana carlo urbani

COMPAGNIA
di San Paolo