

.....
**Report of the WHO
Informal Consultation
on the use of chemotherapy
for the control of morbidity
due to soil-transmitted
nematodes in humans**

.....

Geneva

29 April to 1 May 1996



**World Health Organization
Geneva**

**Schistosomiasis and Intestinal Parasites Unit
Division of Control of Tropical Diseases
www.who.ch/ctd**

REPORT OF THE
WHO INFORMAL CONSULTATION ON THE
USE OF CHEMOTHERAPY FOR THE CONTROL OF MORBIDITY
DUE TO SOIL-TRANSMITTED NEMATODES IN HUMANS

GENEVA
29 April to 1 May 1996

Schistosomiasis and Intestinal Parasites Unit
Division of Control of Tropical Diseases

This Consultation was financially supported by:

Direzione Generale Cooperazione allo Sviluppo
Italian Ministry of Foreign Affairs

This document is not to be distributed to the general public, and copyright is reserved by the World Health Organization (WHO). The text may not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the WHO.

The views expressed in this document are those of the authors and do not necessarily represent those of the WHO.

Ce document n'est pas destiné à être distribué au grand public et les droits de reproduction sont réservés à l'Organisation mondiale de la Santé (OMS). Il ne peut être réimprimé, stocké dans un système de fichiers, reproduit ou traduit, ni communiqué de quelque manière que ce soit, sans l'autorisation écrite de l'OMS. Aucune partie de ce document ne doit être diffusée dans un système de fichiers, imprimée, reproduite ou diffusée sous quelque forme ou par quelque moyen que ce soit, électronique, mécanique, par photocopie, enregistrement, ou autrement, sans l'autorisation écrite de l'OMS.

Les opinions exprimées dans le présent document sont celles des auteurs et ne représentent pas nécessairement celles de l'Organisation mondiale de la Santé.

Table of Contents

	Page no.
List of Participants	5
1. Opening Ceremony	8
2. Purpose of the Consultation	10
3. Essential Epidemiology	11
4. Review of available anthelmintic drugs (Tables 4.1 and 4.2)	12
4.1 Albendazole	15
4.2 Ivermectin	16
4.3 Levamisole	17
4.4 Mebendazole	18
4.5 Pyrantel	19
4.6 Rationale for the Choice of Drugs (Tables 4.1 and 4.2)	20
4.6.1 Quality	20
4.6.2 Costs	21
5. Examples of the Control of Soil-transmitted Nematodes using Chemotherapy	21
5.1 Self-sustained programmes in Japan	21
5.1.1 Historical Account	22
5.1.2 Tripartite Co-operation	23
5.1.3 Japanese Organization for International Co-operation in Family Planning (JOICFP)	23
5.2 Control of soil-transmitted nematodes in areas of low prevalence: Seychelles experience	24
5.2.1 Planning, coordination and management	24
5.2.2 Control measures: Periodic chemotherapy and health education	25
5.2.3 Monitoring and sustainability	26

5.3	Control of soil-transmitted nematodes in areas of high prevalence: Zanzibar experience	26
5.3.1	Planning, coordination and management	26
5.3.2	Monitoring and evaluation	27
5.4	Use of anthelmintic chemotherapy in high risk groups in Sri Lanka	28
5.4.1	Children and provision of anthelmintic chemotherapy to children	28
5.4.2	Provision of anthelmintic chemotherapy to pregnant women	30
5.5	Monitoring large-scale integrated control programmes: the Mexican experience	31
5.5.1	Objectives of the intervention	31
5.5.2	Social and community mobilization .	32
5.5.3	Training of health personnel	32
5.5.4	Surveys and Evaluation	32
5.5.5	Results	32
5.5.6	Merits	34
5.6	Developments in the control of <i>Strongyloides stercoralis</i>	34
5.6.1	Previous experience	34
5.6.2	Zanzibar experience, 1994	35
5.6.3	Results and Conclusions	35
6.	Approaches to the wider control of helminthiases: opportunities for integration	36
6.1	Chemotherapy for onchocerciasis	36
6.1.1	Onchocerciasis	36
6.1.2	Clinic-based/passive drug delivery	36
6.1.3	Active drug delivery	37
6.1.4	Integration into the PHC.	37
6.1.5	Community self-treatment of onchocerciasis with Ivermectin.	37

6.2	Controlling lymphatic filariasis	38
6.2.1	Tools and strategies	38
6.2.2	Integration of intestinal nematode control and filaria) nematode control	39
7.	Some operational features of anthelmintic chemotherapy	40
7.1	Determination of the appropriate interval for chemotherapy	40
7.2	Delivery of anthelmintic drugs through schools: The Partnership for Child Development	41
8.	Awareness of the potential threat of drug resistance by soil-transmitted nematodes and other helminth infections	42
8.1	Theoretical considerations	42
8.2	Experience of anthelmintic drug resistance in nematodes of veterinary importance	43
8.2.1	Recognition of drug resistance	43
8.3	Experience of anthelmintic drug resistance in schistosome populations.	44
8.3.1	Monitoring drug usage and surveillance for emerging drug resistance.	44
9.	Recommendations	45
10.	Topics for operational research	47
11.	References..	51

List of Participants

Dr M. Albonico, Fondazione Ivo de Cameri, via G. Ceradini 3, Milano, 20129, Italy

Professor D.A.P. Bundy, WHO Collaborating Centre for Epidemiology of Intestinal Parasitic Infections, University of Oxford, South Parks Road, Oxford OX1 3PS, United Kingdom

Dr G.C. Coles, Dept. of Clinical Veterinary Science, University of Bristol, Langford House, Langford, Bristol BS18 7DU, United Kingdom

Professor D.W.T. Crompton, WHO Collaborating Centre for Soil-transmitted Helminthiases, Institute of Biomedical and Life Sciences, University of Glasgow, Graham Kerr Building, Glasgow G12 8QQ, United Kingdom
(Rapporteur)

Dr Andrew Hall, Partnership for Child Development, University of Oxford, South Parks Road, Oxford OX1 3PS, United Kingdom

Dr Shigeo Hayashi, c/o Hokenhaikan, 1-2 Sadohara-Cho. Ichigaya, Shinjuku-Ku, Tokyo 162, Japan **(Chairman)**

Prof M. Mahroofismail, Dean, Faculty of Medicine, University of Colombo, P.O. Box 271, Kynsey Road, Colombo 8, Sri Lanka

Dr Uledi M. Kisumku, Deputy Principal Secretary, Ministry of Health, P.O. Box 236, Zanzibar, Republic of Tanzania

Professor Akio Kobayashi, Jikei University School of Medicine, 3-25-8, Nishi-Shinbashi, Minato-ku, Tokyo 105, Japan

Dr Hanspeter Marti, Swiss Tropical Institute, Socinstr. 57, 4002 Basel, Switzerland

Dr E. Renganathan, Italian-Egyptian Cooperation, Medical Research Institute, University of Alexandria, 165, El Horreya Street, Alexandria, Egypt

Dr J. Tielsch, School of Hygiene and Public Health, Department of International Health, Johns Hopkins University, 615 North Wolfe Street, Room 5515, Baltimore, MD 212 05-2103, USA

Dr Jose Luis Valdespino Gomez, Secretario Academico, Instituto Nacional de Salud Publica, Av. Universidad 655, Col. Sta. Maria Ahuacatitlan, C.P. 62508, Cuernavaca, Morelos, Mexico

Observers

Mr D. McIntosh, Medical Affairs Department, ZENECA Pharmaceuticals, United Kingdom

Dr A. Olsen, Parasitologist, Danish Bilharziasis Laboratory, Denmark

Dr P. Magnussen, Parasitologist, Danish Bilharziasis Laboratory, Denmark

Dr J. Horton, Head of Therapeutics (Tropical Medicine), International Medical Department, SmithKline Beecham, United Kingdom

Dr M. Booth, Department of Public Health and Epidemiology, Swiss Tropical Institute, Base!, Switzerland

WHO Secretariat

Dr R.H. Henderson, ADG
Dr P. Ngoumou, RA/AFRO
Dr K. Behbehani, Director CID
Dr D.L. Heymann, Director EMC
Dr C.D. Ginger, OCP
Ms T. Jorgensen, CID/SIP
Dr A. Montresor, CID/SIP
Dr L. Savioli, CID/SIP
Dr E. Ottesen, CID/FIL
Dr Yu Sen-hai, HPR
Dr M. Couper, DMP
Dr M. Mokbel, FNU/FAP
Dr D. Evans, IDRITDF
Dr J.H.F. Remme, TDRITDF
Dr W.E. Gutteridge, IDRITDP
Dr R. Guidotti, RHT/MSM

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_30663

