

International Maternal Health Care 1995

Advanced International Training Programme



Maternal morbidity

*Editors: Pia Axemo, Staffan Bergström, Elisabet Kollstedt,
Gunilla Lindmark, Anders Molin, W. George Povey, Ingela Tegman*



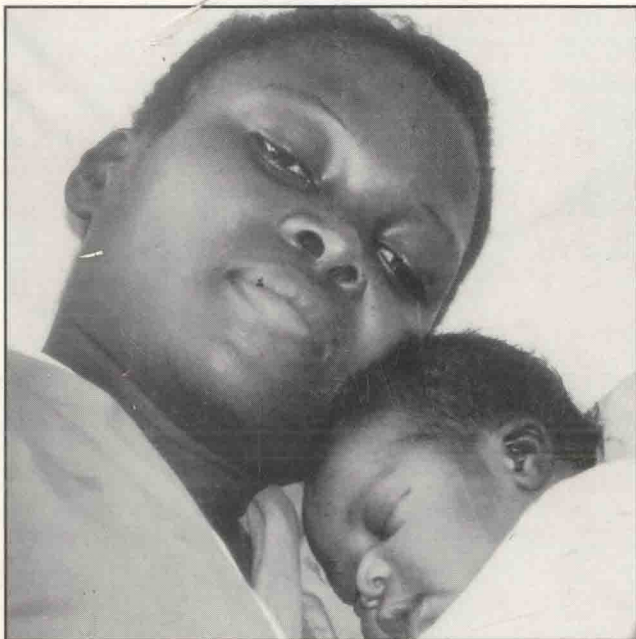
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Foreword

The past decade has witnessed a global initiative to address the neglected tragedy of maternal deaths across the world. The 600,000 maternal deaths every year are only the tip of the iceberg of tens of millions of women in developing countries who experience life-threatening, chronic and other significant health problems related to pregnancy and childbirth, such as obstetric fistulae, uterine prolapse, anaemia, endometritis, pelvic inflammatory disease and secondary infertility. Maternity is ranked as health problem number one in adult women in developing countries, accounting for 18 % of the total disease burden.

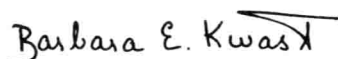
Reproductive tract infections constitute a silent epidemic for hundreds of millions of women, leading to endless suffering and social isolation. With the emergence of HIV and AIDS problems associated with RTIs have increased dramatically. Half of the world's reproductive age women - 500 million -, have nutritional deficiencies, such as anaemia. It is estimated that 36-53 million induced abortions are performed in the world each year and that 500 are killed in the process each day. Gender violence is endemic in all societies and accounts for 5 % of the disease burden in women.

At both societal and family level, poverty is the factor that prevents most women and men to improve the quality of their lives. But conditions of extreme poverty, coupled with profound inequalities between men and women, limit women's ability to contribute and take full advantage of social and economic development.

The latest global International Conference on Population and Development (ICPD) in Cairo in 1994 urges in its Programme of Action the promotion of women's health and safe motherhood to achieve a rapid reduction in maternal mortality and morbidity. All countries, with the support of the international community, must expand the provision of maternal health services in the context of primary health care. Programmes and education to engage men's support for maternal health and safe motherhood should be developed.

International and transnational cooperation and coordination are essential and both national and international agencies are working increasingly towards common goals. It is in this context that the Advanced International Maternal Health Care Programme, organized by the Uppsala Department of Obstetrics and Gynaecology and supported by the Swedish

Development Agency is so vital. This course is the only international course which has brought together obstetricians/gynaecologist and senior nurse-midwives for several years in succession to address the issues of maternal and reproductive health as a team. The interaction and global exchange of experience and knowledge have afforded invaluable insights and stimulated participants to be catalysts for change on return to their respective country. The fifty-three participants from 28 countries who have produced this book with great energy and commitment in a very short period of time, have recognized that maternal mortality and morbidity are deeply rooted in socio-economic inequalities, traditional and cultural beliefs and customs. Without dealing with such inequalities in a serious fashion, the human waste and disability from maternal mortality and morbidity will never end. Our present medical technologies do not address the social and cultural dimensions of this problem, but if they were addressed, our medical knowledge would become all the more efficient. These issues clearly emerge from the penetrating chapters of this book.

A handwritten signature in black ink that reads "Barbara E. Kwast". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Barbara E. Kwast

Public Health Consultant

Royal Tropical Institute, Amsterdam

Preface

The series of international training programmes "International Maternal Health Care" at the Department of Obstetrics & Gynaecology, University of Uppsala, was initiated in 1992 with the support of BITS (Swedish Board for Investment and Technical Support), a government agency under the Ministry for Foreign Affairs. In 1995, two programmes were completed, the first in April-May and the second in September-October.

Although all the programmes intend to give a comprehensive state-of-the-art knowledge of maternal health care of special relevance to developing countries, each programme has focused especially on some themes. In 1995, the following themes were highlighted:

1. Social stress and maternal morbidity
2. Deficiency disorders in pregnancy
3. Genital infections in pregnancy
4. Diseases associated with vaginal haemorrhage
5. Hypertensive diseases in pregnancy
6. Intercurrent diseases in pregnancy
7. Systemic infections in pregnancy
8. Labour-associated morbidity

In each of the two 1995 programmes, the participants were divided into four groups, each responsible for one of these themes. At the end of the course, the result of the group work was presented and discussed with all participants. The final text therefore is the result of experiences and discussions among experienced obstetricians and midwives from a large number of countries. Each section in the book presents the final report from one of the groups, and the co-authors are listed for each section in alphabetical order. Each group is responsible for their particular section, and differences in opinion between the groups may occur.

We hope that the book may be of assistance to those who work in maternal health care, especially in developing countries, but also to students of medicine and midwifery. The publication of the book as well as the programme is financially supported by BITS, and we gratefully acknowledge this financial support.

We are deeply indebted to Dr W George Povey for his extensive and most valuable work with the editing of this volume. We also want to greatly acknowledge the professional skill and hard work of Mrs Karin Törnblom to bring the manuscripts together in this final shape.

1995 year's programme organizers

Pia Axemo, Staffan Bergström, Elisabet Kollstedt, Gunilla Lindmark, Anders Molin, Ingela Tegman



PHOTOGRAPH OF PARTICIPANTS IN BITS COURSE 1995, April - May

Front row from left to right: Ana R de Vasconcelos, Brazil; Arit Okokon Ekpenyong, Nigeria; Bernadette Nyambe Nyemba, Zambia; Esther Kibona, Tanzania; Jirapa Siriwatanamethanon, Thailand; Esther Mathias Chitunchi, Tanzania; Lydia Sarkodee, Ghana. **Second row from left to right:** Bosena Tebeje, Ethiopia; Mary Cosmas Okon, Nigeria; Mulima Lindunda Ketata, Zambia; Florence Tumasang, Cameroon; Faith B. Motsa, Swaziland; Maria Jovani, Ethiopia; Esther Ansaah, Ghana; Anders Molin, Sweden (course organizer). **Third row from left to right:** Dagim Tefera, Ethiopia; Lakshman Chandraratne Pallemulle, Sri Lanka; Dalkhjav Oyunchimeg, Mongolia; Razia Korejo, Pakistan; W George Povey, Canada (lecturer); Ingela Tegman, Sweden (course organizer). **Fourth row from left to right:** Pham Thanh Duc, Vietnam; Fernanda Machungo, Mozambique; Caroline Abeja-Apunyo, Uganda; Sandfore Mbeya, Malawi. **Top row from left to right:** Staffan Bergstrom, Sweden (course organizer); Julio Roberto Villacreses, Ecuador; Elisabeth Kollstedt, Sweden (course organizer); Hamid Murad Abdo Sabar, Sudan. **Missing:** Rehana Hameed, Pakistan; Gunilla Lindmark, Sweden (course organizer).



PHOTOGRAPH OF PARTICIPANTS IN BITS COURSE 1995, October - November

Front row from left to right: Gerhard B. Theron, South Africa; Annette In Charles, Saint Lucia; Janet Kibaya-Kibrige, Uganda; Fetlework Agerie, Ethiopia; Shakuntala Chhabra, India; Augusta Olufunke Opara, Nigeria; Suchada Suwanakom, Thailand; Estrella V. Serrano, Philippines; Frehiwot Demissie, Ethiopia; Benita Silongwe, Zimbabwe; Joseph Taylor, Ghana.

Second row from left to right: Comfort Adjoa Sakiyiwaa, Ghana; Xiao Di, China; Annie W. Mwangi, Kenya; Mary Letsididi, Botswana; Gladys Mubi, Zambia; Dorothy Roomes Jamaica; Ann M. Matekwe Phoya, Malawi; Florence Adebola Anjorin, Nigeria; Pamela Cecilia Nel, South Africa.

Third row from left to right: Pia Axemo, Sweden (course organizer); Damaris M. Kitiwi, Tanzania; Mona Philomena Siyanga, Zambia; Nafissa Bique Osman, Mozambique; Nguyen Trong Hau, Vietnam; Jorge Zavaleta, El Salvador.

Fourth row from left to right: Gunilla Stenman Gado, Sweden (course secretary); Charles R. Majinge, Tanzania; Luisa Almeida, Mozambique; Raana Nizamuddin Jamelle, Pakistan; Gumilla Lindmark, Sweden (course organizer); Stellan Bergström, Sweden (course organizer); Stephen Munjanja, Zimbabwe (lecturer); Elisabeth Kollstedt, Sweden (course organizer); Ingela Tegman, Sweden (course organizer).

Presentation of the authors

I. April 3 - May 5, 1995

1. SOCIAL STRESS AND MATERNAL MORBIDITY

Ana R de Vasconcelos, M.D.; Obstetrician/Gynaecologist; Boa Vista-Recife-Pernambuco, Brazil

Dagim Tefera; Midwife; Addis Ababa, Ethiopia

Lydia Sarkodee; Midwife; Bolga, Ghana

Sandfore Mbeya, M.D.; Obstetrician/Gynaecologist; Embangweni, Malawi

Hamid Murad Abdo Sabar, M.D.; Obstetrician/Gynaecologist; Khartoum North, Sudan

Esther Mathias Chitunchi; Midwife; Dar-es-Salaam, Tanzania

Pham Thanh Duc, M.D.; Obstetrician/Gynaecologist; Ho Chi Minh City, Vietnam

2. DEFICIENCY DISORDERS IN PREGNANCY

Esther Ansah; Midwife; Legon, Ghana

Dalkhjav Oyunchimeg, M.D.; Obstetrician/Gynaecologist; Ulaanbaatar, Mongolia

Rehana Hameed, M.D.; Obstetrician/Gynaecologist; Islamabad, Pakistan

Faith B. Motsa; Midwife; Mbabane, Swaziland

Esther Kibona; Midwife; Dar-es-Salaam, Tanzania

Mulima Lindunda Ketata; Midwife; Lusaka, Zambia

3. GENITAL INFECTIONS IN PREGNANCY

Julio Roberto Villacreses, M.D.; Obstetrician/Gynaecologist; Quito, Ecuador

Maria Jovani; Midwife; Gondar, Ethiopia

Fernanda Machungo, M.D.; Obstetrician/Gynaecologist; Maputo, Mozambique

Mary Cosmas Okon; Midwife; Calabar, Nigeria

Lakshman Chandraratne Pallemulle, M.D.; Obstetrician/Gynaecologist; Kandy, Sri Lanka

Bernadette Nyambe Nyemba; Midwife; Lusaka, Zambia

4. DISEASES ASSOCIATED WITH VAGINAL HAEMORRHAGE

Florence Tumasang, M.D.; Obstetrician/Gynaecologist; Yaoundé, Cameroon

Bosena Tebeje; Midwife; Jimma, Ethiopia

Arit Okokon Ekpenyong; Midwife; Calabar, Nigeria

Razia Korejo, M.D.; Obstetrician/Gynaecologist; Karachi, Pakistan

Jirapa Siriwatanamethanon; Midwife; Khon Kaen, Thailand

Caroline Abeja-Apunyo, M.D.; Obstetrician/Gynaecologist; Kampala, Uganda

II. September 11 - October 13, 1995

5. HYPERTENSIVE DISEASES IN PREGNANCY

Joseph Taylor, M.D.; Obstetrician/Gynaecologist; Koforidua, Ghana
Mary Letsididi; Midwife; Gaborone, Botswana
Jorge Zavaleta, M.D.; Obstetrician/Gynaecologist; San Salvador, El Salvador
Frehiwot Demissie; Midwife; Harar, Ethiopia
Augusta Olufunke Opara; Midwife; Jos, Nigeria
Xiao Di, M.D.; Obstetrician/Gynaecologist; Beijing, China
Gladys Mubi; Midwife; Mpika, Zambia

6. INTERCURRENT DISEASES IN PREGNANCY

Benita Silongwe; Midwife; Esigodini, Zimbabwe
Gerhard B. Theron, M.D.; Obstetrician/Gynaecologist; Tygerberg, South Africa
Ann M. Matekwe Phoya; Midwife; Lilongwe, Malawi
Shakuntala Chhabra, M.D.; Obstetrician/Gynaecologist; Wardha, India
Dorothy Roomes; Midwife; Aylsham, Jamaica
Estrella V. Serrano, M.D.; Obstetrician/Gynaecologist; Dauad City, Philippines
Nguyen Trong Hau, M.D.; Obstetrician/Gynaecologist; Ho Chi Minh City, Vietnam

7. SYSTEMIC INFECTIONS IN PREGNANCY

Nafissa Bique Osman, M.D.; Obstetrician/Gynaecologist; Maputo, Mozambique
Raana Nizamuddin Jamelle, M.D.; Obstetrician/ Gynaecologist; Karachi, Pakistan
Annette Jn Charles; Midwife; Castries, Saint Lucia
Annie W. Mwangi; Midwife; Nairobi, Kenya
Pamela Cecilia Nel; Midwifery Tutor; Houghton, South Africa
Comfort Adjoo Sakyiwaa; Midwife; Ejura/Ashanti, Ghana
Mona Philomena Siyanga; Midwifery Tutor; Ndola, Zambia

8. LABOUR-ASSOCIATED MORBIDITY

Fetlework Agerie; Midwife; Addis Ababa, Ethiopia

Luisa Almeida, M.D.; Obstetrician/ Gynaecologist; Maputo, Mozambique

Florence Adebola Anjorin; Midwife; Jos, Nigeria

Janet Kibaya-Kibirige; Midwife; Kampala, Uganda

Damaris M. Kitiwi; Midwife; Dodoma, Tanzania

Charles R. Majinge, M.D.; Obstetrician/ Gynaecologist; Itigi, Tanzania

Suchada Suwanakom; Midwife; Khon Kaen, Thailand