



REPUBLIC OF RWANDA  
MINISANTE



WHO



WFSA

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**REPORT ON THE FIRST PRIMARY TRAUMA COURSE IN  
RWANDA**

5<sup>TH</sup> – 9<sup>TH</sup> December 2005

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*MAIN SPONSORS:-WHO, WFSA, & KFI*

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## REPORT DISTRIBUTION LIST

WHO Country Representative	Rwanda
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Chair	PTC Foundation
Director	PTC Africa
Chair	Rwanda National Trauma Committee
Director	CHK
Director	CHUB
Director	Kanombe Military Hospital
Director	KFH

## ABBREVIATIONS

<b>AFRO</b>	=	Africa WHO Regional Office
<b>KHI</b>	=	Kigali Health Institute
<b>KFH</b>	=	King Faycal Hospital
<b>A &amp; E</b>	=	Accident and Emergency
<b>ACO</b>	=	Anaesthetic Clinical Officer
<b>CHU/B</b>	=	Butare University Teaching Hospital
<b>CHK</b>	=	Central University Teaching Hospital of Kigali
<b>KHI</b>	=	Kigali Health Institute
<b>NUR</b>	=	National University of Rwanda
<b>OBGY</b>	=	Obstetrics and Gynecology
<b>PTC</b>	=	Primary Trauma Care
<b>TTT</b>	=	Trauma Team Training
<b>WHO/OMS</b>	=	World Health Organisation
<b>ICU</b>	=	Intensive Care Unit
<b>WFSA</b>	=	World Federation of Societies of Anaesthesiologists

## ACKNOWLEDGEMENT

The Refresher Course Director on behalf of the Course Organising Committee would like to express sincere and heartfelt gratitude to the following for their invaluable contribution to successful implementation of the course:-

- WHO who, through KHI & Minisante; were the main sponsors by providing the highest financial contribution.
- KOBUSINGYE Olive, M.Med, MSc., MPH, Regional Advisor, Violence and Injury Prevention AFRO; for her very committed support through the entire planning process of the Course.
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- OLORUNTOBA David Consultant Surgeon and Africa Region PTC Coordinator, for his effective leadership role in both the planning and implementation phases of the course.
- PTC Foundation / WFSA: not only for the substantial financial contribution, but also for sponsorship of Course Instructors from abroad.
- The Association of Anaesthetists of Great Britain & Ireland for their financial support both for the course, and travel & accommodation costs of Drs. Frossard & Dobson.
- Participants for accepting invitations and active participation.
- Core members of the Organising Committee for their diligence and sacrifice.
- Lecturers /Speakers on the course for a job well done.
- KHI for providing an enabling environment for successful Implementation of the Course.

***MWARAKOZE CYANE!!!***

***AHSANTE SAANA !!!***

### 1.0 COURSE CONTENT

- 1.1 Local trauma perspective and MCQ (Course pre-test).
- 1.2 ABCDE of Trauma and Primary survey.
- 1.3 Airway and Breathing.
- 1.4 Circulation and Shock.
- 1.5 Secondary survey.
- 1.6 Chest injuries.
- 1.7 Head and Spinal injuries.
- 1.8 Abdominal and Limb injuries.

- 1.9 Paediatrics and Obstetrics.
- 1.10 Burns.
- 1.11 Analgesia for, & Transportation of, trauma patients.
- 1.12 Repeat MCQ paper (Course post-test).

## **2.0 COURSE ORGANISATION AND TRAINING METHODOLOGY**

After exhaustive discussion between all the key planners of the Course, a 2 – 1 – 2 day format was agreed upon and implemented as follows:-

- PTC course 1 – December 5-6, was led by external PTC Instructors.
- PTC Instructors Course Dec 7, also led by external Instructors.
- PTC course 2 Dec 8-9, was spearheaded by the newly-trained Rwandan PTC Instructors.

A very highly interactive approach was used which consisted of formal Lectures, and informal small group teaching based on practical skill stations, scenarios, and workshops. In all these discussion between Trainees and Trainers was given due emphasis.

## **3.0 MAJOR ACHIEVEMENTS**

- 3.1 **FORMATION RWANDA NATIONAL PTC COMMITTEE:-** This marked the Course climax and is a major landmark in the development of trauma services in Rwanda. The list of members of this very vital Committee is the Appendix III of this report.
- 3.2 **HIGH RESPONSE RATE:** Despite the very short notice, a 100% response rate was attained for all the 3 Courses; and an excellent mix of Participants was attained. Details are as per Annex I, II & III.
- 3.3 **COMPLETION OF COURSE PROGRAMME:** The course programme hence content was completed on schedule.
- 3.4 **ACQUISITION OF IMPROVED APPROACH TO TRAUMA:-** As demonstrated in Appendix IV of this report, all participants showed great improvement in results from an average mark of 56% in the first test to 88% in the second. This is an objective evaluation and indeed it was obvious that the Participants did indeed acquire new knowledge, skills and attitude in trauma management.
- 3.5 **LOCAL CAPACITY BUILDING:** training of all Participants in all the 3 Courses in general, but the Instructors one in particular; with an active National Rwanda PTC Committee are obvious indicators of a viable strategy for improvement of both the standard and efficiency of trauma management in Rwanda. Clearly, PTC in Rwanda is now in the hands of Rwandese themselves. Foreign input even by the PTC Foundation, and indeed any other donors; will continue only at the request and discretion of the Rwandese.
- 3.6 **MORALE BOOST:** Overall the Course was an astounding success and doubtless significantly elevated the morale of all Participants and Instructors.

## 4.0 RECOMMENDATIONS

4.1 RATIFICATION OF THE PTC COMMITTEE BY MINISANTE: Due process to formally as well as Officially inaugurate the Rwanda National PTC Committee as listed in Annex V of this report, should be expedited so that it starts its work in earnest; of course after its terms of reference have been formulated.

4.2 ACTION PLAN BY THE RWANDA PTC COMMITTEE: This should be given due emphasis during the Committee maiden meeting. The ultimate aim is to ensure that the maximum possible number of appropriate Health workers in every single Health Unit in Rwanda undergo PTC training.

4.3 PROCUREMENT OF TEACHING / LEARNING MATERIALS: especially Mannekins as well as other items as listed in the PTC Course proposal budget should be purchased for use in subsequent courses.

4.4 CONSOLIDATION OF PLEDGED SUPPORT: The Rwanda National PTC Committee should utilize the support pledged by the Chair PTC Foundation in his speech during the closing ceremony which were again echoed in his report on the course.

## APPENDICES

### ANNEX I – PTC COURSE 1 PARTICIPANTS

N°	NOMS ET PRENOMS	TELEPHONE	E-MAIL	INSTITUTION
1	UWINEZA Espérance	8489874	<a href="mailto:uwesi@yahoo.fr">uwesi@yahoo.fr</a>	CHUK
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22	Sr KARIGIRWA Monique			CHUB
23	Dr NDOLI Jules	8634644		CHUB
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26	NSEREKO Etienne	8571476		KHI
27	Dr NYAKINDA Charles			KFH
28	KHAINZA Betty			KMH

**ANNEX II: PARTICIPANTS IN PTC INSTRUCTORS' COURSE**

N°	NOMS ET PRENOMS	TELEPH ONE	E-MAIL	INSTITUTION
1	RUKIKAMOSO Alexis	8471658	rwalexiz@yahoo.fr	KMH
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### ANNEX III: PTC COURSE 2 PARTICIPANTS

N°	NOMS ET PRENOMS	INSTITUTION	E-MAIL	TELEPHONE
1	MUTANGANA Alexis	KHI	<a href="mailto:mutalek75@yahoo.fr">mutalek75@yahoo.fr</a>	8588986
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18	RUKIKAMOSO Alexis	KMH	<a href="mailto:rwalexiz@yahoo.fr">rwalexiz@yahoo.fr</a>	8471658
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**ANNEX IV : MCQ results of the 2 PTC courses**

PTC COURSE 1		PTC COURSE 2	
PRETEST	POSTEST	PRETEST	POSTEST
27	27	12	20
9	19	11	22
17	21	14	22
26	26	13	21
9	18	14	17
6	27	15	19
21	21	15	17
21	25	12	19
10	21	12	20
7	13	9	16
9	20	14	20
23	23	11	28
8	20	21	24
8	23	10	17
11	22	13	20
17	28	20	25
14	22		19
15	17		28
8	25		374

**Average marks**  
56%                      88%    54%                      83%

**Calculation of marks: Total correct/25 expressed as %**

5 questions (9, 14, 15, 16, 21) were disregarded because the level of English required to understand them was higher than could be expected in Rwanda

**ANNEX V: MEMBERS RWANDA  
NATIONAL PTC COMMITTEE**

- |                                  |   |
|----------------------------------|---|
| 1. Dr Emmanuel Kayibanda (Chair) | Surgeon, King Faisal Hospital                                     |
| 2. Dr Martine Makanga            | Paediatric & General Surgeon, CHUB.                               |
| 3. Mr Etienne Nsereko            | Anaesthetic Clinical Officer, Lecturer KHI.                       |
| 4. Dr Paul Kabayiza              | Physician (special interest in Trauma, Kanombe Military Hospital. |
| 5. Dr. Mpanjato                  | Physician Anaesthetist, CHK.                                      |
| 6. Sr. KALIGIRIRWA Monique       | ACO / Nursing Office<br>Incharge ICU,                             |
| CHUB.                            |   |
| 7. Dr. KHAINZA Beti              | Head, Anaesthesia Department, KFH.                                |



Participants in PTC Course 1

*PTC Instructors Course*



*Second PTC course*

