

## COURSE REPORT

KABGAYI, MUHANGA, RWANDA

26<sup>th</sup> – 28<sup>th</sup> November 2014

Report Presented by: Dr Bayisenga Justin

### **COSECSA Oxford Orthopaedic Link (COOL)**

This Primary Trauma Care course is part of a project funded through the Health Partnership Scheme, which is funded by the UK Department for International Development (DFID) for the benefit of the UK and partner country health sectors and managed by the Tropical Health Education Trust (THET). The project is called the COSECSA Oxford Orthopaedic Link (COOL). More information is available at [www.ndorms.ox.ac.uk/cool.php](http://www.ndorms.ox.ac.uk/cool.php).



PTC



## **PTC COURSE REPORT**

**Venue: Kabgayi**

**MUHANGA District**

**Southern Province**

**Rwanda**

**Period of time: 26<sup>th</sup> November to 28<sup>th</sup> November 2014**

Purpose of the visit:

To train local health workers so that they may be able to handle trauma cases and adapt their knowledge and skills to their environment especially in KABGAYI Hospital.

Executive summary:

The instructors arrived at the venue one day before to prepare the course gathering the materials and organizing the course. On the first day we started a bit late (40min past to the time that had been fixed waiting the number of participants. The pre-course test was done and other forms were filled by participants. We started with 18people over 20 because others came after 4hours. Those 2 who came late were allowed to follow the course without waiting for certificates. The schedule was followed as planned. Presentations, technical skill and scenarios took place and successful. On the 2<sup>nd</sup> day we started on time but the hospital wanted all participants to receive Minister of Health who was visiting Kabgayi Hospital. For that we stopped a bit for 4 hours and we restarted in the afternoon. The course ended during the night at 8:10PM after covering all planned PTC course component. The participants evaluated the PTC course and then certificates were distributed to the 16 participants who completed the course. From the firs day to the second day of training, there has been an exercise of choosing the instructors course participants and among them 6 were chosen.

The following were chosen to attend the PTC Instructor's course.

<b>Names</b>	<b>Function</b>
Alphonse NIYODUSENGA	Medical Doctor
Agrippine MUKANYANDWI	Nurse
Grace MIZERERO CHIZA	Medical Doctor
Bienvenu MUSANGU	Medical Doctor
Théodosie MUSABWAYIRE	Medical Doctor
Edmond NTAKIRUTIMANA	Dentist

On the 3<sup>rd</sup> day, the instructors and organizers came earlier to arrange the hall and to distribute materials for each participant. The instructor's course started at time. All 6 participants were present and instructors were teaching as it was planned (See timetable) and all audience people were participative in the course. They made evaluation of the course

Key staff involved in planning and coordinating:

<b>Names</b>	<b>Title</b>	<b>Address</b>	<b>Role in PTC Course</b>
Dr Jeanne Frossard	Senior anesthetist	UCLH NHS Foundation Trust	Mentor
Dr BAYISENGA Justin	General surgeon	Universty Teaching Hospital of BUTARE (CHUB)	Coordinator & Instructor
Dr RUHUNGANDE Landouard	General surgeon	RUHENGARI Hospital	Instructor
Dr BIKOROTI Bizimanasharale Joel	General surgeon	University Teaching Hospital of Kigali (CHUK)	Instructor
Dr MAJYAMBERE Jean Paul	General surgeon	KPBUNGO Hospital	Instructor
Dr NTAKIYIRUTA Georges	General surgeon	University Teaching Hospital of Kigali (CHUK), RSS in charge of education	Facilitator

Professional aspects of the visit

Dr Jeanne Frossard, Dr Georges NTAKIYIRUTA and Dr Justin BAYISENGA met at CHUK on Tuesday, the 25<sup>th</sup> were arrangement of materials from the Rwanda simulation center, and we had a lunch at the KIGALI restaurant before the departure to St Andre Kabgayi center. At evening, Dr Lando RUHUNGANDE and Dr Jean Paul MAJYAMBERE joined us and we prepared the hall and in collaboration with St Andre Kabgayi workers we decided to use two halls so that workshops and scenarios be in good mood and atmosphere. Dr Joel BIKOROTI joined us in early morning to continue the course being a complete team.

Course participants

We were expecting 20 participants from Kabgayi Hospital, but we started by 18 participants who did the pr-course test. We note that two of them came late in the afternoon and they were given a chance to follow the course without certificates.

That is why we are going to provide list made of 18 people even though among them 16 followed completely the course and got certificates.

Eugenie Uwamariya	Kabgayi	Anesthetist	
Maurice Ahimana	Kabgayi	Nurse	
Alexie N Cabugfi	Kabgayi	Nurse	
Dr Patrick HATEGEKIMANA	INEZA clinic	Doctor	
Marie Muhawenimana	Kabgayi	Nurse	
NTAKIRUTIMANA Edmond	Kabgayi	Clinical officer Dentist	
Ndagijimana Jean Damascene	Kabgayi	Clin. Officer ophthalmology	
Dr RUGERINYANGE Thierry	Kabgayi	Doctor	
Dr Niyodusenga Alphonse	Kabgayi	Doctor	
Dr Mitima Prince	Kabgayi	Doctor	
Muhundwimigisha Francine	Kabgayi	Anesthetist	
Dr Musabwayire Theodosie	Kabgayi	Doctor	
Dr Mutchapa Joachim	Kabgayi	Doctor	
Dr Zulu Chantal	Kabgayi	Doctor	
Dr MIZERERO Chiza Grace	Kabgayi	Doctor	
Dusabirema Jeanette	Kabgayi	Nurse	
MUSANGU Bienvenu	Kabgayi	Doctor	
Mukanyandwi Agrippine	Kabgayi	Nurse	

Course instructors:

Instructors were 6 made mainly by surgeons (4/5) and their list is the following:

<b>Names</b>	<b>Title</b>	<b>Address</b>	<b>Role in PTC Course</b>
Dr Jeanne Frossard	Senior anesthetist	UCLH NHS Foundation Trust	Mentor and Instructor
Dr BAYISENGA Justin	General surgeon	Universty Teaching Hospital of BUTARE (CHUB)	Coordinator & Instructor
Dr RUHUNGANDE Landouard	General surgeon	RUHENGERI Hospital	Instructor
Dr BIKOROTI Bizimanasharale Joel	General surgeon	University Teaching Hospital of Kigali (CHUK)	Instructor
Dr MAJYAMBERE Jean Paul	General surgeon	KIBUNGO Hospital	Instructor

Details of activities

The course took place in Kabgayi St Andre centre where the preparations had started on the 25<sup>th</sup> November 2014 evening.

On the 1<sup>st</sup> day the 26<sup>th</sup> November the timetable was followed as established. The start time was late of 60minutes but instead of finishing at 4:30PM the program of that day ended at 5:30PM.

The schedule was accomplished as follow:

<b>DAY 1</b>			
10.00	15 minutes	Introduction	Dr Justin BAYISENGA
10.15	30 minutes	Local trauma perspective and MCQ	Dr BAYISENGA Justin
10.45	30 minutes	ABCDE of Trauma and Primary survey	Dr RUHUNGANDE Landouald
11.15	15 minutes	BREAK	
11:30	45 minutes	Airway and Breathing	Dr RUHUNGANDE Landouard
12.15	45 minutes	Circulation and Shock	Dr MAJYAMBERE Jean Paul
13:00	30 minutes	Secondary survey	Dr BAYISENGA Justin
13:30	40 minutes	LUNCH BREAK	
14:10	80 minutes	Skill stations Airway Basic Surgical Cervical spine and Logroll Chest drains	Dr RUHUNGANDE Landouald Dr BAYISENGA Justin Dr MAJYAMBERE Jean Paul Dr BIKOROTI Joël
15.30	15 minutes	Demonstration Scenario	All Instructors
15.45	60 minutes	Scenarios	All Instructors
16.45	15 minutes	BREAK	
17.00	30 minutes	Chest injuries	Dr BIKOROTI Joël
17.30	15 minutes	Overview and summary	Dr BAYISENGA Justin

The instructors' debriefing meeting took place in the bar chaired by Dr BAYISENGA Justin. In We evaluated the day process and put in place criteria of choosing the PTC instructors' course participants. During that meeting the instructors discussed the way forward of PTC course in Rwanda. The suggestion of putting the PTC course in the curriculum of Medical students. The suggestion of advocating this course to have a place in Ministry of health was also given and the follow up is needed and the local team will involve more in these activities.

On the second day (27th November 2014), the PTC course started at time and the first part of the course was given. Suddenly, all participants were called to the hospital to attend the Minister of Health meeting that took four hours. For that we stopped a bit the training to be continued afternoon. Before releasing the participants we had a consensus of finishing the program at all cost. That is why that day program took end at 8:20PM.

## Subsidiary activities

The Capacity building division of the Ministry of Health paid us the lunch and tea breaks for participants and instructors through the Rwanda Surgical Society.

The service of St Andre Kabgayi helped in copying and printing some papers especially multiple choice questions and schedule for participants.

## Media coverage

There was no media coverage during the PTC course.

## Contents of the Primary Trauma Care course:

In summary, the Systematic approach on trauma patient, Primary survey: ABCDE, Airway with C-spine protection, Breathing + Oxygen, Circulation IV insertion and sample for blood tests, ABCs problems, recognition and management, Life threatening injury of the chest and its immediate life saving management and Secondary survey that is head to toe exam were learnt on the first day.

To achieve that, we used presentation, skills sessions and scenarios where every instructor and trainee were involved.

For the 2<sup>nd</sup> day, the abdominal trauma, Limb trauma, Trauma in children, Trauma in pregnancy, Head injuries, Spinal injuries, Burns were learnt with always ABCs approach.

As for the 1<sup>st</sup> day, the skills workshops and scenarios were used to deepen the knowledge and skills of their daily work especially in trauma.

At the end of the second day, Dr BAYISENGA Justin distributed certificates and declared the names of 6 trainees who had been chosen for the 3<sup>rd</sup> day of the instructors' PTC course. That was at 8:00PM because of inconvenience mentioned above.

The 3<sup>rd</sup> day was marked by the order in plan where the standard format was followed and every participant was involved. We discussed about the way forward for the instructors newly trained and they stated that out of practicing systematically PTC course knowledge in their hospital they will teach others so that the number of trained people will increase in their area.

## 13 Evaluation of the success and relevance of the visit

The following are the comments and key points from participants on the second day. Those comments are almost the same for the instructors' PTC course participants.

# SOMETHING GOOD

- ⊕ Systematic approach ABCDE
- ⊗ Methodology
- \* Timing
- \* Mood
- \* Skill Station
- ⊗ Design of the course
- ⊗ Trainees participation
- \* Head injury & spinal
- \* Course
- \* Good trainers
- \* Teamwork
- \* To be patient + Trainers
- \* Teaching materials
- \* Interactions

# SOMETHING TO IMPROVE

- \* Time of training
- \* PTC at basic level
- \* Live practice
- \* Language Issue to be handled



We note that two of them did not participate in the post-course test because they did not come back after the Minister of Health visit to Kabgayi Hospital.

The participants show the confidence level change after the course and they were committed to practice what they had learnt in PTC Course.

After the evaluation of the course by the participants, all instructors intervened in the ceremony of distributing certificates to new instructors wishing them the best in their daily activities and encouraging them to have PTC habit.

#### Acknowledgments

Our acknowledgements are highly addressed to Dr Georges Ntakiyiruta and Dr Jeanne Frossard for their commitment to make PTC course possible in Rwanda. Our thanks go also to Mr Thaddee VUGUZIGA and team who helped in instructors' transport and lunches for participants and instructors at KABGAYI St Andre Center. We thank all instructors for their effort to make that PTC course successful besides the difficult moments where they kept patient working up to night. Our participants have been committed since the beginning up to the end of PTC course in Kabgayi. So, for anybody who directly or indirectly helped during that PTC course we say thank you.

**Dr BAYISENGA Justin,  
PTC course Coordinator at KABGAYI**