

# **POST PTC COURSE NARRATIVE REPORT**

## **Kitale District Hospital 22<sup>nd</sup> to 26<sup>th</sup> April 2013**

**Local Course Director Dr. Mathenge Nduhiu and Visiting course Directors Dr. Lucy Obolensky and Dr. Christoph McAllen**

### **Purpose of the visit**

Kitale district hospital is a 200 bed hospital in the northern part of the Rift Valley province of Kenya. This hospital serves as the referral hospital for Trans-Nzoia county, a wide geographical area. According to the speech delivered by Dr Sylvester Mutoro the medical superintendent and one of the consultant general surgeons at the hospital, the hospital sees up to 700 patients a day a third of whom are trauma victims.

Despite the high trauma load Dr Mutoro had noted that there was no formal training in trauma care at the hospital and hence the invitation to the PTC Kenya instructors to hold the course at this hospital.

### **Executive summary**

A total of 32 staff of the Kitale hospital including the Medical superintendent and the other surgeon in the hospital were trained in PTC 10 of whom were trained as instructors. The staff comprised nurses, two surgeons, clinical officers and nurses. They were very enthusiastic and eager to learn, and many expressed their delight at being involved in such training which was a first for most.

### **Key staff involved in planning and co-ordinating**

Kitale District Hospital

1. Dr Sylvester Mutoro – General surgeon and Medical Superintendent
2. Mr Thomas Kiptoo – District Health Administration Officer

Nanyuki District Hospital

1. Dr Mathenge Nduhiu General surgeon - Team Leader
2. Dr Josephine Ohas Medical Officer
3. Dr Samwel Ndanya Orthopaedic Surgeon
4. Mr George Mochama Senior clinical officer
5. Mr Daniel Kassoo Clinical Officer Anaesthetist

United Kingdom

1. Dr Lucy Obolensky Emergency Physician
2. Dr Christoph McAllen Orthopaedic surgeon
3. Fiona McEown volunteer administrative support

The group was supported by PTC foundation through the COSECSA Oxford Orthopaedic Link (COOL) project.

## Professional aspects of the visit

Nanyuki district hospital where PTC started in Kenya has become the hub of PTC in Kenya and other hospitals in Kenya have started appreciating the improvements that PTC training has potential to bring in trauma patient care. During a benchmarking visit to Nanyuki hospital in January 2013, the hospital management team of Kitale district hospital were introduced to PTC activities in Nanyuki District Hospital. The medical superintendent requested the same to be offered to his staff.

This was the first full PTC course delivered outside Nanyuki by the Kenyan PTC team and we feel it was a great success.

## Course participants

Day 1 and 2

1	Michael	Rigicha	Doctor (GP)	Male
2	Celestine	Wanyonyi	Nursing Officer	Female
3	Geoffrey	Kitur	Anesthetist	Male
4	Judith	Khakame	Nurse Manager	Female
5	Lucy	Okello	Nursing Service Manager	Female
6	Samuel	Omusi	Clinical Officer	Male
7	Joash	Opiyo	Community Nurse	Male
8	Eric	Kibet	MO Anesthesiologist	Male
9	Moses	Wechenje	Nursing Officer	Male
10	Samuel	Shikaro	Medical Officer	Male
11	David	Nding'ori	Medical Officer	Male
12	Blastus	Kakundi	Medical Officer	Male
13	Adams	Kigen	Medical Officer	Male
14	Salome	Karuma	Nursing Officer	Female
15	Godrick	Onyango	Doctor (General Surgeon)	Male
16	Edward	Ouma	Medical Officer	Male
17	Sylvester	Mutoro	Doctor (Surgeon)	Male
18	Erick	Chesori	Medical Officer	Male
19	Julia	Cherewa	Nurse	Female

Instructor course participants

1	Michael	Rigicha	Doctor (GP)	Male
2	Celestine	Wanyonyi	Nursing Officer	Female
3	Geoffrey	Kitur	Anesthetist	Male
4	Eric	Kibet	MO Anesthesiologist	Male
5	Samuel	Shikaro	Medical Officer	Male
6	David	Nding'ori	Medical Officer	Male
7	Salome	Karuma	Nursing Officer	Female
8	Godrick	Onyango	Doctor (General Surgeon)	Male
9	Edward	Ouma	Medical Officer	Male

10	Erick	Chesori	Medical Officer	Male
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Day 3 and 4

<b>NAMES</b>	<b>DESIGNATION</b>
LEAH MAKATA	NURSE
PRISCA MUNIALO	NURSE
GICHUKI GABRIEL	CLINICAL OFFICER
LEAH KEBENEI	CLINICAL OFFICER
SELINA SIRMA	CLINICAL OFFICER
CHRISTINE JUMA	NURSE
MURUNGA COLLINS	NURSE
LILIAN AKINYI	CLINICAL OFFICER
DORCAS ANDESO	CLINICAL OFFICER
ANN MUTACHO	NURSE
JAMES KIPTOON	CLINICAL OFFICER
PAUL NJANWE	MEDICAL OFFICER
BENJAMIN OMBONGI	PLASTER TECHNICIAN
ODHIAMBO EDWARD	MEDICAL OFFICER
WILLY SIFUNA	NURSE
ROSE WATIANGU	NURSE

## Course instructors day 1 and 2

**TIME**

**TOPIC**

<b>DAY</b>	<b>TIME</b>	<b>TOPIC</b>	<b>INSTRUCTOR</b>
<b>DAY 1</b>			
<b>9.00</b>	<b>15 minutes</b>	<b>Introduction</b>	Dr. Mathenge
<b>9.15</b>	<b>30 minutes</b>	<b>Local trauma perspective and MCQ</b>	Dr. Mutoro
<b>9.45</b>	<b>30 minutes</b>	<b>ABCDE of Trauma and primary survey</b>	Dr. Mathenge
<b>10.15</b>	<b>45 minutes</b>	<b>Airway and Breathing</b>	Mr. Kassoo
<b>11.00</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>11.15</b>	<b>45 minutes</b>	<b>Circulation Shock</b>	Dr. Ndanya
<b>12.00</b>	<b>80 minutes</b>	<b>Skill Stations Airway Cervical spine and logroll Chest drains</b>	ALL
<b>13.20</b>	<b>40 minutes</b>	<b>LUNCH BREAK</b>	
<b>14.00</b>	<b>30 minutes</b>	<b>Secondary SURVEY</b>	Mr. Mochama
<b>14.30</b>	<b>15 minutes</b>	<b>Demonstration Scenario</b>	ALL
<b>14.45</b>	<b>60 minutes</b>	<b>Scenario</b>	ALL
<b>15.45</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>16.00</b>	<b>30 minutes</b>	<b>Chest injuries</b>	Dr. Mathenge
<b>16.30</b>	<b>15 minutes</b>	<b>Overview and summary</b>	Dr. Ndanya
<b>DAY 2</b>			
<b>9.00</b>	<b>30 minutes</b>	<b>Head and Spinal trauma</b>	Dr. Christoph
<b>9.30</b>	<b>30 minutes</b>	<b>Abdominal and Limb trauma</b>	Dr Ohas
<b>10.00</b>	<b>30 minutes</b>	<b>Trauma in children and pregnancy</b>	Dr. Obolensky
<b>10.30</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>10.45</b>	<b>30 minutes</b>	<b>Burns</b>	Mr. Kassoo
<b>11.15</b>	<b>80 minutes</b>	<b>Workshops Analgesia Transportation Paediatrics Neurological assessment</b>	ALL
<b>12.35</b>	<b>55 minutes</b>	<b>LUNCH BREAK</b>	
<b>13.30</b>	<b>30 minutes</b>	<b>Disaster management</b>	Mr. Mochama
<b>14.00</b>	<b>90 minutes</b>	<b>Scenarios</b>	All
<b>15.30</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>15.45</b>	<b>15 minutes</b>	<b>Multiple choice paper</b>	Dr. Ohas
<b>16.00</b>	<b>15 minutes</b>	<b>Summary and evaluation</b>	Dr. Mathenge.
<b>16.15</b>	<b>15 minutes</b>	<b>Certificates and close</b>	All

## Course instructors day 3 and 4

<b>DAY 1</b>			
<b>9.00</b>	<b>15 minutes</b>	<b>Introduction</b>	DR Onyango
<b>9.15</b>	<b>30 minutes</b>	<b>Local trauma perspective and MCQ</b>	DR Onyango/ Celestine
<b>9.45</b>	<b>30 minutes</b>	<b>ABCDE of Trauma and primary survey</b>	Dr. Shikaro
<b>10.15</b>	<b>45 minutes</b>	<b>Airway and Breathing</b>	Dr.Kibet
<b>11.00</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>11.15</b>	<b>45 minutes</b>	<b>Circulation Shock</b>	DR Chesori
<b>12.00</b>	<b>80 minutes</b>	<b>Skill Stations Airway Cervical spine and logroll Chest drains</b>	ALL
<b>13.20</b>	<b>40 minutes</b>	<b>LUNCH BREAK</b>	
<b>14.00</b>	<b>30 minutes</b>	<b>Secondary SURVEY</b>	Dr Ouma
<b>14.30</b>	<b>15 minutes</b>	<b>Demonstration Scenario</b>	ALL
<b>14.45</b>	<b>60 minutes</b>	<b>Scenario</b>	ALL
<b>15.45</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>16.00</b>	<b>30 minutes</b>	<b>Chest injuries</b>	DR Onyango
<b>16.30</b>	<b>15 minutes</b>	<b>Overview and summary</b>	Dr.Chesori
<b>DAY 2</b>			
<b>9.00</b>	<b>30 minutes</b>	<b>Head and Spinal trauma</b>	DR. Shikaro
<b>9.30</b>	<b>30 minutes</b>	<b>Abdominal and Limb trauma</b>	DR Onyango
<b>10.00</b>	<b>30 minutes</b>	<b>Trauma in children and pregnancy</b>	Dr Rigicha
<b>10.30</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>10.45</b>	<b>30 minutes</b>	<b>Burns</b>	Kitur
<b>11.15</b>	<b>80 minutes</b>	<b>Workshops Analgesia Transportation Paediatrics Neurological assessment</b>	ALL
<b>12.35</b>	<b>55 minutes</b>	<b>LUNCH BREAK</b>	
<b>13.30</b>	<b>30 minutes</b>	<b>Disaster management</b>	Salome
<b>14.00</b>	<b>90 minutes</b>	<b>Scenarios</b>	All
<b>15.30</b>	<b>15 minutes</b>	<b>BREAK</b>	
<b>15.45</b>	<b>15 minutes</b>	<b>Multiple choice paper</b>	Celestine
<b>16.00</b>	<b>15 minutes</b>	<b>Summary and evaluation</b>	DR Onyango
<b>16.15</b>	<b>15 minutes</b>	<b>Certificates and close</b>	DR. Chesori

## Details of activities

Travel plans for the local team and UK observers were well coordinated and we all met in Kitale on Sunday 21<sup>st</sup> April. The Kenyan instructors hired two vehicles and shared the six hour drive from Nanyuki to Kitale. The entire team was accommodated at the Kitale club which was also the venue for the course. A planning meeting was held on the evening of the 21<sup>st</sup> where roles were assigned for the entire course.

We also checked out and organized sitting arrangements in a spacious, conveniently circular hall that we hired at the club. Day 1 started late due to late arrival of the participants who unfortunately had been informed the course would start at 9am. We however managed to cover the program for the day by skipping the tea break (as agreed by all). The course participants were all very keen to learn PTC principles and very quickly got fully involved and there were lively discussions in the breaks.

The instructor trainees were selected during the first two days with the help of Dr Muroro the medical superintendent Kitale District Hospital. They were all highly motivated and we started early on Wednesday! This meant they had adequate time to prepare for their course the following day. The newly trained instructors were very organised and ran their two day course very well with minimal help from the visiting team.

### **Subsidiary activities**

The visiting team took time in turns to visit Kitale District Hospital on Thursday the 18<sup>th</sup>. The hosts were very kind to arrange dinners and evening entertainment. The climate was very good which allowed for evening walks on the green picturesque golf course at the Kitale club

### **Media coverage**

There was no media coverage.

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

All the participants expressed satisfaction with the course and they pledged to start applying PTC principles in trauma care at their hospital. Notably this was the first trauma care course at this hospital and they all held candid discussions in the workshops on how they were going to improve trauma patient care.

### **Summary of multiple choice questionnaire scores before and after the Course**

	<b>Highest</b>	<b>Lowest</b>	<b>Average</b>
<b>Day 1 and 2 Pre-course</b>	<b>26</b>	<b>8</b>	<b>17</b>
<b>Post - course</b>	<b>30</b>	<b>10</b>	<b>23</b>
<b>Day 3 and 4 Pre- course</b>	<b>24</b>	<b>7</b>	<b>14</b>
<b>Post- course</b>	<b>29</b>	<b>13</b>	<b>22</b>

## **Details of any teaching or other material provided**

The PTC Kit Box was highly appreciated and we are glad to have an intubation mannekin. In our earlier courses we had used goat heads for intubation! We however did use goat larynxes for the surgical airway skills station and found it to be an excellent model.

## **Acknowledgments**

The course director acknowledges the wonderful support of the PTC team Kenya and the visiting instructors. The team gelled very well and performed superbly on all fronts. The local organizing team in Kitale had obviously planned very well which made our stay very comfortable and the course very smooth indeed.

## **Recommendations**

The Kitale team is energised to improve primary trauma care in their region and will need support and encouragement to continue teaching PTC at their Hospital and the satellite centers which refer to them.

Report compiled by Dr Mathenge Nduhiu (local course director).

## **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).



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