

COURSE REPORT

SIAYA, KENYA

9th – 13th September 2013

Report Presented by: Dr Mathenge Nduhiu

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.



PTC



POST PTC COURSE NARRATIVE REPORT

Siaya District Hospital 9th to 13th September 2013

Local Course Director Dr. Mathenge Nduhiu

Visiting Course Directors Dr. Jonathan Paddle and Dr. Cate Powell

Purpose of the visit

Siaya District hospital is a 200 bed district hospital situated in Siaya County in the western part of Kenya bordering Uganda. Dr. Ahomo Oketch the resident surgeon in his opening remarks observed that no emergency trauma care training had ever been carried out in the hospital. Dr Ahomo observed that the main cause of trauma was road traffic accidents mainly due to *boda bodas* (motorcycle taxis).

Executive summary

This was the fourth course in Kenya under the COOL project. Other courses have been held in Nanyuki in the central rift valley region, Nairobi the capital city, Kitale in the north western region, and this course in Siaya in the far reaches of the western region. The Kenyan PTC team strategy is to introduce PTC in all regions of the country which will hopefully form active nuclei of dissemination of PTC regionally.

The participants were drawn from five hospitals in the referral range of Siaya district hospital, and 1 from Kitale district hospital. A total of 39 participants were trained of whom 9 completed the trainers' course. The day 1 and 2 group comprised mainly medical officers and nurses and the second was more diverse including a physiotherapist, a radiographer, and two orthopaedic technologists.

Most of the participants observed that this was their first time attending a course teaching the systematic approach to emergency trauma care. The course was received very well and in the comments at the end of the course one of the nurses in the Siaya district hospital emergency department gave testimony how she had in the past feared receiving trauma victims during her shifts but now felt equipped and ready after the course.

Key staff involved in planning and co-ordinating

Siaya District Hospital

1. Dr Ahomo Oketch – General surgeon
2. Sr. Lucy Wanyama – District Health Administration Officer

Nanyuki District Hospital

1. Dr Mathenge Nduhiu General surgeon - Team Leader
2. Mr George Mochama Senior clinical officer

United Kingdom

1. Dr Jonathan Paddle – Critical care consultant
2. Dr Cate Powell – Critical care consultant

Embu Provincial General Hospital

1. Dr. Samwel Ndanya – orthopaedic surgeon

The group was supported by PTC foundation through the COSECSA Oxford Orthopaedic Link (COOL) project. In this course we partnered with the CDC-welcome trust and the General Electric Foundation who are involved in other health projects in the area. The two partners facilitated travel and accommodation for the participants who travelled from far reaching locations in this vast region.

Professional aspects of the visit

The course was planned and coordinated mainly from the Nanyuki District Hospital which remains the main hub of PTC in Kenya. During the PTC presentation at the Surgical Society of Kenya Conference in March 2013, Dr Ahomo the surgeon in Siaya, met the PTC team and expressed the dire need for training in his region. At the same time the PTC team had been invited to the main city in the western part of Kenya namely Kisumu to deliver the first PTC course in the area, through the KEMRI- Welcome trust project in the region headed by Dr. Jacquie Oliwa. The PTC team connected the two interested parties, who subsequently settled on Siaya as the venue for the course.

Course participants

Day 1 and 2

First Name	Surname	Gender	Designation	Facility
Beatrice	Juma	Female	NO	JOOTRH
Victor	Sowayi	Male	MO	Siaya DH
Bhavinkumar	Patel	Male	MO	Kitale DH
Ahero Joan	Afullo	Female	MO	Bondo DH
Hilda	Raha	Female	NO	KEDH
James	Mose	Male	NO	Siaya DH
Zachary	Anyega	Male	NO	Yala SDH
Gladys	Yator	Female	RCO	Bondo DH
Lucy	Wanyama	Female	NO	Siaya DH
Lisa	Amuya	Female	MO	KEDH
Peter	Otieno	Male	RCO Anaesth	Siaya DH
Koma	Akim	Male	MO	Siaya DH
Doricah	Ivayo	Female	MO	Yala SDH
Jeremy	Omondi	Male	Paediatrician	Siaya DH
James	Osore	Male	NO	Siaya DH
Agnes	Wanyama	Female	NO	Siaya DH
Michael	Otiemo	Male	RCO	Siaya DH
Jane	Olum	Female	SNO	JOOTRH
Ahomo	Oketch	Male	Surgeon	Siaya DH

Instructor course participants

First Name	Surname	Gender	Designation	Facility
Beatrice	Juma	Female	NO	JOOTRH
Victor	Sowayi	Male	MO	Siaya DH
Bhavinkumar	Patel	Male	MO	Kitale DH
Lucy	Wanyama	Female	NO	Siaya DH
Lisa	Amuya	Female	MO	KEDH
Koma	Akim	Male	MO	Siaya DH
Doricah	Ivayo	Female	MO	Yala SDH
Jeremy	Omondi	Male	Paediatrician	Siaya DH
Ahomo	Oketch	Male	Surgeon	Siaya DH



The newly trained instructors with the visiting faculty (local team leader Dr Ahomo standing 2nd left)

Day 3 and 4

First Name	Surname	Gender	Designation	Facility
Carolyne	Ayiecha	Female	NO	Siaya DH
Collins	Ouma	Male	CO	Siaya DH
Jane	Avuna	Female	NO	Siaya DH
Eglah	Cheptoo	Female	Radiographer	Siaya DH
Alice	Ochieng	Female	RCO	Siaya DH
John	Ogola	Male	SNO	Siaya DH
Shem	Akello	Male	CO	Siaya DH
Owino	Addah	Female	NO	Siaya DH
Richard	Yanoh	Male	RCO Anaesthetics	Siaya DH
Carolyne	Ondieki	Female	NO	Siaya DH
Naim	Imbundu	Female	NO	Siaya DH
Howard	Moyiah	Male	RCO	Ambira Sub DH
Martha	Kwatemba	Female	NO	Siaya DH
Joash	Okinyi	Male	NO	Siaya DH
Selyne	Maende	Female	Physiotherapist	Siaya DH
Pauline	Otieno	Female	NO	Siaya DH
Steve	Kurgat	Male	Orthopaedic technologist	Siaya DH
Beatrice	Ouma	Female	CO	Siaya DH
Delvin	Maragia	Female	CO	Siaya DH
Esther	Akoth	Female	CO	Siaya DH



Cervical spine immobilization with locally available materials

Details of activities

The local team and international observers met in Kisumu on Sunday 8th September 2013 and travelled by road to Siaya. The entire team was accommodated at the Siaya Centre which also doubled as the course venue. The pre-course preparations and rehearsals were completed and the course got off to an early start on 9th.

Training materials including the kit box were transported to the hotel in Siaya directly from Nanyuki using a security firm courier service which proved to be a very cost effective and efficient method! Stationery and the goats for chest drain station were sourced locally and the hotel chef was very kind to supervise the slaughter the goats. The training hall was small but adequate and a separate hall was provided for the skill stations and scenarios.

The participants arrived early and were very eager to learn. During the entire course time keeping was exemplary, and we were encouraged by the enthusiasm of the clinicians in this region of Kenya. The entire course was very well timed and we observed that this is the first Kenyan course where we had managed to keep to the timetables.

Subsidiary activities

The team as is customary visited the local Siaya District Hospital. We were further privileged to visit Mama Sarah Obama, the US president's grandmother who lives in that region of Kenya!



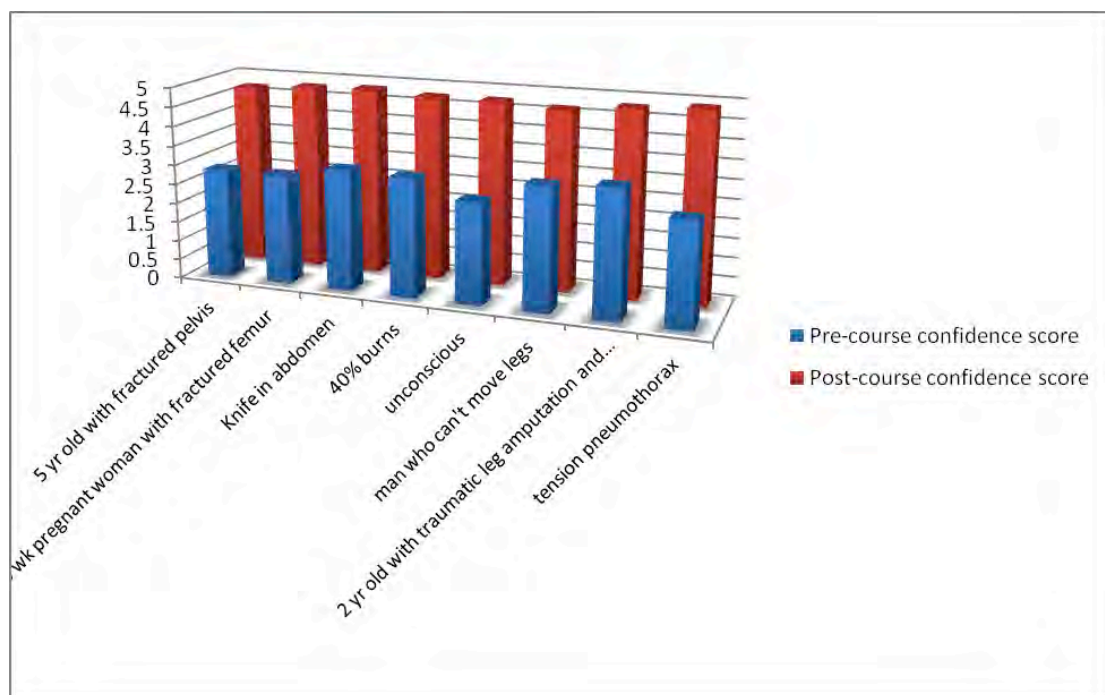
The instructors L-R George Mochama, Dr. Nding'ori, Dr. Ndanya, Dr. Cate, Dr. Mathenge, Dr. Oliwa, Dr. Ajujo, and Daniel Okiro, walking to Mama Sarah Obama's

Media coverage

The local media and one national television station – The Citizen, covered the course. Drs Ahomo the Local surgeon, Mathenge the local coordinator and Jonathan the visiting coordinator were interviewed by the television crew.

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. All participants recorded improved confidence levels at the end of the course, and this was reflected in improvements in the post course MCQs. 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.



Acknowledgments

PTC Kenya team is most grateful to PTC and the COOL project. We appreciate the immense support of Annette Clack the PTC administrator who has made every effort to enable us succeed. The course director acknowledges the wonderful support of the PTC team Kenya. We recognize the sacrifice made by Drs Jonathan and Cate from the UK who on short notice were willing to come out and support us for this course.

The coordinating team wishes to singularly recognise the work done by Dr Jacquie Oliwa of KEMRI-Wellcome Trust (Kenya Medical Research Institute) for the immense logistical and financial support that enabled this course. Finally Mr. Felix Otieno manager Siaya Centre who allowed us use of his facilities and accommodated us for the entire course despite hiccups in the systems of money transfer which delayed payments.

Recomendations

We the PTC team Kenya feel increasingly confident that the regional introduction of PTC in our country will form a foundation for dissemination of the training. We hope to have support in 2014 to reach the eastern, north eastern and coastal regions of Kenya. We are also in discussions on modalities of setting up a PTC secretariat in Kenya which will coordinate PTC activities and support the regional teams to escalate PTC training.

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



Day 3&4 trainees with local and visiting instructors at the Siaya centre entrance