

## COURSE REPORT

UNIVERSITY TEACHING HOSPITAL, ZAMBIA

22<sup>nd</sup> to 26<sup>th</sup> JANUARY 2018

Report Presented by: Dr. Naomi Shamambo



PTC course 1 participants and faculty



Official Opening by the Senior Medical Superintendent Dr. Clarence Chiluba



Pay close attention Dr. Kaja is speaking!



### Old and new Faculty

#### Summary

Primary trauma care course has been on going in Zambia since 2012. Funding for the project ended in 2014. This is the 4<sup>th</sup> course that we are doing after the ending of the funding from the Primary Trauma Care foundation. This course was funded by a ZADP fellow for lunch and snacks and the printing of materials for the participants as well as funding for one of our out of town faculty members was done by the Surgical Society of Zambia. The training was in response to the observed need to improve service delivery in the handling of trauma patients in casualty.

We are so grateful to the management of UTH who allowed us use of the conference room free of charge and were willing for the participants to be off work for the duration of the training. The Senior Medical superintendent Dr. Clarence Chiluba endorsed the need for more of such training and promised that management would support such ventures.

The venue of the course was the University Teaching Hospital Esnai Munthali conference room. This site was very ideal as it was the same facility that most of our faculty members work in and hence we reduced the cost of travel and accommodation.

This was a standard 2-1-2 primary trauma care course with a one-day instructor course.

We trained 22 participants in the first course and 12 instructors and 17 participants in the second course. The participants were drawn from the university teaching Hospital emergency wards, ICU and theater and 2 of the participants were drawn from Kanyama First Level hospital. We had a mix of Theater nurses, surgical registrars, senior house officers, general nurses and ICU nurses.

Overall MCQ marks were 61% class average with an improvement to 79% class average. We saw marked improvement of about 100% for some individuals. We Trained 12 motivated and very active instructors whose performance was good in the second course where they were instructors themselves.

### **Background**

This is the 4<sup>th</sup> course we are doing after the end of the primary trauma courses funded by the foundation. It's the first course we have done with the standard 2-1-2 including an instructor's course. The lunches and teas for participants were funded by a Zambia Anesthesia Development Program Fellow (ZADP) and the printing and logistics for out of town faculty was done by the Surgical Society of Zambia. The course was offered free of charge to participants. We are continually grateful to the University Teaching Hospital management for providing the venue and allowing their clinicians to be off work to attend the course. It was a course done from the need observed in casualty for more training in handling trauma patient in order to reduce mortality and morbidity.

The instructors were drawn from the pool of instructors trained in the previous PTC courses. Dr. William Packer joined us as faculty, he is a ZADP fellow from the UK. Dr. Simba Kaja was joining from Ndola Teaching Hospital. The other faculty members were Dr. Emmanuel Simwanza, Dr. Masuzyo Zyambo, Mrs Cooley Musukwa and Dr. Naomi Shamambo.

### **Preparation and Venue**

The venue was the University Teaching Hospital Esnai Munthali conference hall. Permission was given by the Hospital Management to use the hospital premises for the course. It was a well air-conditioned room with enough space to have 3 skills stations at the same time and we used the adjacent space outside for the 4<sup>th</sup> skills station. Participants were invited via their head of department and the chief nursing officer.



**Faculty multitasking**



**Application of cervical collar**



### **Demonstration of chest drain insertion**

#### **Course participants**

The participants for the course were a mixture of surgical registrars, SHO, interns from the surgical department. We also had nurses who made about 70% of the participants were drawn from the accident and emergency department, ICU, theaters and the general wards. We also had 2 clinical officer anesthetists attend the course. For the instructor course, we had a total of 12 instructors with 10 instructors drawn from the course conducted the first 2 days and 2 of them drawn from previous PTC courses.

#### **Course faculty**

Dr. Naomi Shamambo, Anesthetist, UTH (Course Director)

Dr. Emmanuel Simwanza, Consultant Orthopedic surgeon, UTH Lusaka

Dr. Masuzyo Zyambo, Anesthetist, UTH

Dr. Simba Kaja, Orthopedic Surgical registrar Ndola Teaching Hospital

Mrs. Cooley Musukwa Theater Nurse UTH

Dr. William Packer , Anaesthetist, ZADP fellow UK.

Formal teaching roles were assigned in advance and most of teaching materials shared via email. We allocated roles prior to the onset of the course via email

## **Content and structure of the courses**

The senior medical superintendent Dr. Clarence Chiluba officially opened the course on 22<sup>nd</sup> January with Attendance of the clinical care director for Accident and emergency hospital Dr. Kachinga Sichizya and the Chief Nursing Officer Mrs Josephine Chimpinde.

We followed the specimen timetables for the courses as shown in the instructor manual. We utilized the PTC slides as well as the scenarios outlined in the manual with a few scenarios added on by the faculty. Some illustrations were developed by faculty to explain the principles.

## **Feedback**

The course was found to be relevant by the participants. We had an improvement in the confidence matrix for all the participants in the treatment of trauma patient. There was a very clear request for extension of the course duration to three days to allow more practical time for skills and scenarios. There was a great appreciation of using a systematic approach of ABCDE of PTC and wish for more of their colleagues to be trained in primary trauma care.



**Certificate award by a veteran Dr. Simwanza**

## **Challenges**

Faculty went over and beyond their duty to go food shopping for the workshop

Late start of day 1 and most faculty over-run their timings

There was no communication to individual participants as communication was between heads of department and nursing officers.

There was a drop in the number of participants for the second course due to communication breakdown.

## **Recommendations**

1. To extend the training to more hospital workers and do the course more regularly.
2. Consider extending the number of days to 3 days to allow the non physician front liners to learn and acquire the skills of primary trauma care
3. Consider offering a similar course to non- medics such as the police and road traffic agency.



**Participants' familiarization with equipment on the Advanced Life Support ambulance**

## **Acknowledgments**

We wish to thank the Surgical Society of Zambia and William Packer for sponsoring the course and University teaching hospital for the venue and logistics.