PTC NEWS

Edition 32

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JANUARY 2011

THIS EDITION

In this edition, we feature: **AFRICA**

- **PTC Report - Engcobo, South Africa (October 2010)**
- **PTC Report - Foundation Course (November 2010) Kampala, Uganda**

PTC REPORT
ALL SAINTS HOSPITAL
ENGCOBO, SOUTH AFRICA
18th-19th October 2010

Background

PTC is a course intended to provide basic knowledge and skills necessary to identify and treat trauma victims in less developed countries with limited resources and manpower. It is designed to be modifiable for health care providers at all levels and health centers with varying levels of infrastructure with the goal of training participants to diagnose, stabilize, and appropriately refer life and limb threatening injuries in a timely fashion. Mass casualty and disaster management are also included in the curriculum.

All Saints Hospital is located in Engcobo town 80kms from Mthatha. It's a 330 bed hospital functioning as a level 1 & 2 hospital and is the first port of call for trauma for the population of that part of the Eastern Cape Province.

Dr Rajeev Eashwari the Medical Superintendent of All Saints Hospital Engcobo approached the **PTC** committee in August 2010 about holding a **PTC** course for staff of ASH & the surrounding clinics.

Course Participation

This course was administered over 2 days at a rural health center to a mix of physicians, medical officers and nurses from the health center as well as outlying clinics. Participants were first administered a pretest exam to assess basic understanding. There were 17 participants on the first day, and 16 on the second day who completed the full course. For small group sessions the participants were divided by a local staff member into 3 groups which were maintained throughout the course. After completion a post-test exam was administered as well as a course evaluation.

Overall participation in the course was high. Participants from all levels were interactive during small groups and were comfortable sharing their experiences and questions. The level of questions ranged from situation-specific medical care to clarification of medical terms and conditions. Participation during scenarios, workshops, and practicals was also high with roles being distributed equally. Certificates of attendance were handed out at the end of the 2nd day.

Summary of Course Comments/Evaluation

The response to the course was overwhelmingly positive. The average evaluation for each segment of the course was above average to excellent. In general, the most highly praised segments of the course were the interactive scenarios; there was also specific mention of the workshops as well as modules on chest and abdominal trauma as well as teaching of the algorithmic approach (ABCDE) to assess trauma victims. Many felt that the course should be offered to more health care providers.

Suggestions for improvement primarily centered on the time allotted for the sessions as well as in the materials provided. Participants preferred that the course be longer as well as more mannequins for practicals and distribution of course materials before the start of the course.

Summary Statement

Based on pre as well as post-test scores, there were significant knowledge deficits in basic trauma care that significantly improved after this course. Lecture modules, workshops, practicals, and small group scenarios had excellent participation. Overall, this course was well-received and informative for all participants.

Appendix and Summary Statistics

Number of Participants: Day 1 – 17; Day 2 – 16
Average Pre-test Score: 15
Average Post-Test Score: 24
Average Module Score (1 – Poor; 2 – Below Average; 3 – Average; 4 – Above Average; 5 – Excellent): 4.5

Instructors

Dr. David Oloruntoba
(Consultant, Orthopaedic Surgery, Bedford Orthopaedic Centre)

Dr. Howard Kingu
*(*Consultant, General Surgery, Nelson Mandela Academic Hospital)

Dr. Dhaffala
(Consultant, Neurosurgery, Nelson Mandela Academic Hospital)

Attendees

Pandey Narad M	Doctor
Mayatula M.	
Dunga Ncebisi	Doctor
Eweto Joseph	Doctor
Tekula Sizeka	Nurse
Qanda Thumeka	Doctor
Sebenga Luthando	Doctor
Mpofana Nokwanda	Nurse
Simayile Nobuza	Nurse
Galadia Thembelani	Doctor
Makrume Y.M.	Nurse
Siswana N.	Nurse
Temitope Odubunmi	Doctor
Tack Lise	Doctor
White Ken	Doctor
Igbogidi Raymond	Doctor
Lin Carol	Doctor
Eashwari Rajeev R.	Doctor

Report prepared by:

Dr. Carol A Lin
(Orthopaedic Registrar, University of California, San Francisco)

PTC FOUNDATION COURSE
KAMPALA, UGANDA
November 2010

Background:

Uganda is a picturesque East African democratic country with a population of 32 million, fantastic wildlife & breathtaking natural wonders including the source of the Nile River from Lake Victoria. But they also have a high rate of trauma from Road traffic accidents, a long running insurgency in the north & most recently extremist terror activity. Uganda ranks second in road accident mortality in Africa. Ethiopia is first.

'Road accidents have killed 21,000 people in the last ten years & injured 120,000 others costing Uganda sh300b annually.' (New Vision newspaper. 19th Nov 2010)

Uganda doesn't have a structured ambulance / trauma evacuation system but has a fairly good number of keen and knowledgeable health care personnel.

The **PTC foundation** was approached early in 2010 with the possibility of running a foundation course in Uganda as the first step in putting up a system for trauma care.

The initiator was **Prof E. Moro** a surgeon & deputy dean of the Medical faculty at Gulu University. He had been collaborating with **Mr. Nigel Rossiter**, an orthopaedic surgeon from Basingstoke Hospital in the UK on putting together a plan to tackle the treatment of the high numbers of trauma patients in Uganda. They had looked at the **PTC** model & had decided that the primary care nature & its inbuilt training of trainers to take it to the rest of the country was what they needed.

Professor E. Moro

Prof. Moro had also gone ahead and produced a policy document outlining a plan going forward to take the program nationwide.

Support was pledged by the WHO & the University of Gulu. The course was scheduled for mid November 2010.

First Two day course (15th & 16th Nov 2010):

A team of 4 trainers from Nelson Mandela Academic

Hospital Complex / Walter Sisulu University, Mthatha, Eastern Cape, South Africa plus a team of 4 ATLS trained facilitators from the UK were dispatched. The UK team were scheduled to give a standard 2 day course in Hoima (in the mid –east of Uganda) after having being part of the 1st 2 day course & the 1 day instructors course in Kampala.

The venue was the historic Namirembe Guest House run by the Anglican Church of Uganda. Situated on Namirembe Hill with a stunning view of Kampala, accommodation for the instructors was in the same venue so we woke up to this stunning view every morning.

The tea breaks, lunches & food generally was excellent.

The first group of trainees were all senior surgeons & anaesthetists from Kampala & regional hospitals. **Prof. Moro** gave the 'Local Trauma Perspective' talk. He revealed that 39% of trauma victims in Uganda die on the way to hospital or on arrival at hospital.

All lectures were well received and the skills stations were done well. There was an intubation manikin available to practice airway control. There wasn't a model to use for chest drainage so a live video of the procedure was used along with the relevant materials. An I.V. access station was included to emphasise the importance of large bore cannulae, the right type of fluids & was used to introduce the possibility of rectal fluid & intraosseous access in resuscitation of paediatric patients.

Airway Skill Station

The scenarios as always were quite exciting & we watched old habits slip away & the **'PTC way'** take over!

Lectures on day 2 all ran well & timing was adhered to. The workshops generated a lot of participation & ideas flowed.

Average Pre assessment scores; 24.1%

Average Post assessment scores; 27.1%

Almost all the attendees elected to attend the instructors' course on Wednesday.

Instructors:

Dr Oloruntoba
Dr Kingu
Dr Dhaffala
Dr Shrivastava

Attendees:

Dr. Kisembo Lule
Consultant Anaesthesiologist Hoima RRH

Dr. Sebbagala	Orthopaedic Surgeon Masaka RRH
Dr. Balyejjusa J.	Sen. Consultant Surgeon Mbale RRH
Dr. Ajiko Mary	General Surgeon Soroti RRH
Dr. Alema Nelson	General Surgeon Lacor Hospital
Dr. Kasumba Mark	Anaesthesiologist Mulago NRH

Dr. Ekwaro Lawrence
Sen. Consultant Surgeon Jinja RRH

Dr. Ssentongo R	Consultant Surgeon Mulago NRH
Dr. Musana F	Anaesthesiologist Mbale RRH
Dr. Wangoda R	Consultant Surgeon Mulago NRH
Dr. Mugabi P.	General Surgeon/Lecturer Gulu University

Instructors

Dr. Moro E.B.	Ass. Professor Surgery Gulu University
Adengo Hannington	Anaesthetic Officer Soroti RRH
Wabwire A. M	SNO Soroti RRH

One day Instructors course (17th Nov 2010):

The course was run for doctors, all senior surgeons & anaesthetists. All lectures and practice sessions ran well. The new instructors were encouraged to scale their teaching to the level of the audience & to also have backup presentation methods. Use of pre-prepared flip charts was encouraged as this could immediately be used in case of power failure. Flip chart use was demonstrated & was used during the training.

Attendees:

Dr. Kisembo Lule	Consultant Anaesthesiologist Hoima RRH
Dr. Sebbagala	Orthopaedic Surgeon Masaka RRH
Dr. Balyejjusa J.	Sen. Consultant Surgeon Mbale RRH
Dr. Ajiko Mary	General Surgeon Soroti RRH
Dr. Alema Nelson	General Surgeon Lacor Hospital
Dr. Ekwaro Lawrence	Sen. Consultant Surgeon Jinja RRH
Dr. Kitara David	General Surgeon FOM/Gulu University
Dr. Moro E.B.	Ass. Professor Surgery FOM/GuluUniversity

UK Instructors

Second 2 day course (18th & 19th Nov 2010):

Ten new trainees consisting mainly of nurses registered for the course.

On the first day of the course news came through that there had been a disaster involving an overloaded bus that had rolled off the one of the main highways. 3 people died on the spot & 45 injured were transported using various means (private cars, another bus, military vehicles) to Mulago Hospital, the main referral hospital. The consultant in charge of the Accident & Emergency **Dr. Wagoba** was a newly trained **PTC** instructor. He swung into action securing the area & practicing triage under very difficult circumstances – interference from relations, bystanders & politicians!

Visiting instructors **Dr. Dhaffala** & **Dr. Kingu** decided to leave the course & go to help especially as they both spoke Swahili, the local language. On their way they witnessed two people fall off a 'Boda-boda' a local ubiquitous motorcycle taxi. This is one of the commonest causes of road accidents in Uganda.

Ten nurses were trained. The participants engaged enthusiastically with the course & asked questions trying to relate the course content to their daily experiences at work.

Power failure provided an opportunity to use alternative presentation methods.

The **Uganda PTC foundation** course can be considered a success as the enthusiasm of the leader **Prof. Moro** & his plans for expansion were quite infectious. The fairly low turnout of trainees (only about half of expected trainees showed up for both courses) was discouraging but the enthusiasm & the clearly perceived need for a trauma care system in Uganda by all the trainees was a source of encouragement.

New Instructors

There will have to be budgeting for trainers to make follow up visits to Uganda to help them run follow up courses & to help them increase their trainer numbers.

Under **Prof. Moro's** leadership, **PTC Uganda** should take great strides.

Attendees:

Ura Paul	SAO	Arua RRH
Zawedde Florence	SNO	Masaka RRH
Draru Jessica E	SNO	Arua RRH
Nabulima Josephine	NO	Mulago NRH
Aseru Christine	SCO	HoimaRRH
Tuhaise M. Prisca	NO	Mbarara RRH
Rose Grace Ayoo	SNO	Lacor Hospital
Kintu Joshua A. P	NO	Mbarara RRH
Tebunakya M	SAO	Masaka RRH
Odong- Ekong Sam	PAO	Mbale RRH
David Kitara	Surgeon	
	Gulu University FOM	

(These reports are also now available to view online at www.primarytraumacare.org)

CONTRIBUTIONS

We welcome contributions for forthcoming issues of the Newsletter

- **Course reports and photographs**
- **Upcoming course details**
- **Country visits**
- **All PTC news welcome**

Please send items to:
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