

Report of Eastern Cape Foundation PTC Course

12th to 16th March 2007

Health Resource Centre

Nelson Mandela Academic Hospital, Mthatha

Outline:

The foundation package for Primary Trauma Care Course in Mthatha consisted of:

- 12th and 13th March: 1st 2 day course.
- 14th March: 1-day Instructors course & formation of PTC Committee for the Eastern Cape, South Africa.
- 15th and 16th March: 2nd 2 day course.

Sponsors and Motivators:

- Faculty of Health Sciences, Walter Sisulu University, Mthatha, RSA.
- PTC Foundation, Oxford, UK.
- Nelson Mandela Academic Hospital Complex, Mthatha, RSA.

Background:

In 2006, discussions about trauma management in peripheral hospitals with Prof. O. Adekunle, the Director of Postgraduate Training and Education, Faculty of Health Sciences, Walter Sisulu University in the Eastern Cape Province of South Africa led to the submission of a proposal for the introduction of PTC courses in the Eastern Cape. This was followed by a business and an operational plan.

The Dean of the Faculty of Health Sciences, WSU, Prof M.L. Mazwai approved the proposal and funding & invitations were sent out to the 3 hospital complexes in the Eastern Cape.

12th March was put forward by the faculty from the UK as a time convenient for them.

The members of the local planning committee were:

- Prof. O. Adekunle.
- Prof. Nelivigi
- Dr. Dhaffala.
- Dr. Joseph.
- Dr. H. Kingu
- Dr. Oloruntoba.

1st course; 12th and 13th March 2007

The first PTC course was opened by Prof. Mazwai on 12th March at the Health Resource Centre, Mthatha.

Participants were senior physicians from Mthatha, East London and Port Elizabeth Hospital complexes and St. Elizabeth Hospital, Lusikisiki. Dr. Dobson introduced the course and a Pre-test MCQ was administered.

(Opening Ceremony program; Annex 1 below)

The Instructors for this course were:

- Dr. Mike Dobson, anaesthetist, Oxford, UK.
- Dr. D.O. Oloruntoba, Orthopaedics, NMAH
- Dr. H.J. Kingu, Plastic Surgery, NMAH

(Course program; annex 2, list of attendees; annex 3 below)

Time keeping was very good and all instructors kept within their allotted time. Skills stations ran smoothly and the workshops were adequately interactive.

Tea breaks & lunch were served on time & the food & facilities were good.

Volunteer instructors were asked to sign up for the 1-day trainers course the next day.

12 participants were registered.

- Average Pre-test scores: 63%
- Average post-test scores: 91%

Course participants improved by a margin of 28%.

A sample of evaluation comments from participants:

- PTC courses should be given to all staff at NMAH & peripheral hospitals.
- The course was simple and is adaptable.
- Suggestion to teach some material in different ways.
- Health science students should be given the course.

Dr Oloruntoba closed the course after Dr. Kingu handed out attendance certificates.

One day Instructors Course; 14th March 2007

The 1 day instructors course was run mainly by Mrs. Shirley Dobson who is an educator. It was designed to teach instructors methods of passing knowledge & skills to adults & organising PTC courses. (Instructors course program; annex 4, complete list of instructors trained; annex 5 below)

Instructors:

- Mrs. S. Dobson.
- Dr. M. Dobson.
- Dr. D.O. Oloruntoba.

Lectures on teaching techniques plus practical sessions with interactive group sessions were carried out. The day was concluded by the establishment of a PTC committee for the Eastern Cape Province. The Committee members are as follows;

- Prof. M.L. Mazwai – Patron & Adviser.
- Dr. Dhaffala – Chairperson.
- Dr. Joseph – Surgeon NMAH
- Dr. Kingu – Surgeon NMAH.
- Dr. Shrivastava – Anaesthetist, NMAH.
- Dr. Pandey – surgeon, E/London complex.
- Dr. Pradhan – family physician, UGH.
- Dr. Mulunda – medical officer, St. Elizabeth Hosp. Lusikisiki.

Thereafter lectures and roles were allocated for those trainers who were able to stay on and administer the 2nd 2-day course under supervision of the training team from the 1st course.

2nd 2-day course; 15th and 16th March 2007

A new group of 7 trainees registered for the second course. (Attendance List; annex 7, course program; annex 8)

The training team was led by Dr. Joseph/ Dr. Agyekum. Lectures, skills stations & workshops followed the pattern of the 1st course. Most instructors kept to time & breaks were well served. The new trainers also displayed very good teamwork, which is essential to the passing across of knowledge and skills.

Evaluation forms were filled by the participants. Following is a sample of the comments:

- This course should be given to all nursing staff & paramedics.
- Severity classification, percentage chart for burns should be included in the trauma manual for easy reference.
- Back to the basics for most medical personnel.

Course Evaluation:

KEY 0 - No Comment							
1 - Disagree totally							
5 - Agree Totally							
	0	1	2	3	4	5	
Lecture Content	3					3	
Objectives achieved						6	
Useful to your future practice						6	
Relevant to your current practice	1					5	
Too much information		5				1	
Scenarios helpful						6	
Forum helpful						6	
Too detailed information		4	1			1	
Comments on presentation style	All respondents were happy with the presentations.						
Facilities (Acceptable)	1					5	

*There were a total of 6 respondents.

- Average Pre-test scores: 58%
- Average post-test scores: 86%

Showing an improvement of 28%.

The course was closed by Dr. Oloruntoba & attendance certificates were handed out by Dr. Kingu.

On the evening of Thurs 15th March, Dr. & Mrs. Dobson were hosted to dinner at the La Piazza restaurant & they were presented with gifts (traditional Xhosa gifts) as a token of our gratitude.

Comments & the way forward:

- ✓The airway skills station with the intubation mannequin provided the biggest challenge. More time is needed at this station especially for non-physician trainees in future courses.
- ✓The committee & all trainers agreed that courses within the Eastern Cape must be commenced very soon.
- ✓Requests have been tentatively put forward for PTC courses for; NMAH Accident and Emergency staff, UGH Accident & emergency staff & St. Elizabeth Hosp Lusikisiki.
- ✓For future courses, trainees should be of similar training & experience levels.
- ✓A decision was taken by the PTC committee to start The 1st courses with St. Elizabeth Hosp. Lusikisiki & UGH Mthatha if possible in the month of April 2007.

Acknowledgements:

1. We are grateful to the Dean Prof. M.L. Mazwai for his staunch support & for making this intervention in the health of all South Africans possible.
2. Prof. O. Adekunle, Director of Postgraduate Training & Education for his organization & support of the course.
3. Prof. Nelivigi, Head of Anaesthesia for support with equipment.
4. Mrs. Dabata, the Directors secretary for running the administrative aspects of the course very efficiently.
5. Management and Staff of the Health Resource Centre.

We are very optimistic that this is the start of a positive development in improving the quality of health service delivery in this province.

Dr. D.O. Oloruntoba,
Course coordinator.

Annex 1;

1st PRIMARY TRAUMA CARE COURSE

**HEALTH RESOURCE CENTRE, NELSON MANDELA ACADEMIC
HOSPITAL, MTHATHA**

PROGRAMME FOR THE OPENING CEREMONY:

- Welcome by : Dr. Dhaffala, Surgeon NMAH - Programme Director
- Remarks by Prof O.O. Adekunle – Director Postgraduate Education & Training, Faculty of Health Sciences, WSU.
- Comments by Dr. Linda Mafanya, - Head Clinical Governance, NMAH.
- Brief History of PTC; Dr. Mike Dobson – Instructor, trustee & honorary treasurer PTC committee
- Opening Address: by Prof. M.L. Mazwai - Dean, Faculty of Health Sciences, Walter Sisulu University, Mthatha
- Refreshments

Annex 2;

1st PRIMARY TRAUMA CARE COURSE

12th – 16th March 2007

**HEALTH RESOURCE CENTRE, NELSON MANDELA ACADEMIC
HOSPITAL, MTHATHA**

COURSE PROGRAMME

TIME
INSTRUCTOR

TOPIC

TIME	INSTRUCTOR	TOPIC	
12 th Mar 2007			
9.30	Auditorium	Introduction	Dr. Dobson
9.45	Auditorium	Local trauma perspective and MCQ	Dr. Dhaffala
10.15	Auditorium	ABCDE of Trauma and Primary survey	Dr. Dobson
10.45	Auditorium	Airway and Breathing	Dr. Kingu
11.30	Auditorium	Circulation and Shock	Dr. Oloruntoba
12.15	Lecture hall	Skill stations Airway	All Instructors
13.35		LUNCH BREAK	
14.15	Auditorium	Secondary survey	Dr. Kingu
14.45	Auditorium	Demonstration Scenario	All Instructors.
15.00	Lecture hall	Scenarios	All instructors
16.00	15 minutes	BREAK	
16.15	Auditorium	Chest injuries	Dr. Dobson
16.45	Auditorium	Overview and summary	Dr. Oloruntoba
13 th Mar 2007			
9.00	Auditorium	Head and Spinal injuries	Dr. Dobson
9.30	Auditorium	Abdominal and Limb injuries	Dr. Kingu

10.00	Auditorium	Paediatrics and Obstetrics	Dr. Oloruntoba
10.30	15 minutes	BREAK	
10.45	Auditorium	Burns	Dr. Kingu
11.15	Lecture hall	Workshops Analgesia	All Instructors
12.35		LUNCH BREAK	
13.30	Auditorium	Disaster management	Dr. Dobson
14.00	Lecture hall	Scenarios	All Instructors
15.00	15 minutes	BREAK	
15.15	Auditorium	Multiple choice paper	All
15.30	Auditorium	Summary and evaluation	Dr. Oloruntoba
15.45	Auditorium	Certificates and close	Dr. Dobson

Annex 3;

Attendance List, 1st 2 day Course - 12th & 13th March

Name	Designation	Centre
Prof . Bustamante	Surgeon	NMAH
Dr. Dhaffala	Surgeon	NMAH
Dr. T. Alexander	Intern	Pietermaritzburg
Dr. Jayakrishnam	Surgical officer	NMAH
Dr. Joseph	Surgeon	NMAH
Dr. Kwame Agyekum	Surgical Officer	NMAH, Bedford Ortho Hosp
Dr. Kaswa	Medical Officer	NMAH.
Dr. James	Medical Officer ENT	NMAH
Dr. Lonwabo Gqoli	Surgical Officer	Port Elizabeth Hosp Complex
Dr. Makhafula	Surgical officer	NMAH
Dr. Mulunda	Medical Officer	St. Elizabeth Hosp, Lusikisiki.
Dr. Osigwe	CMO	NMAH
Dr. Luis Perez	Medical Officer	UGH

Dr. Pradhan	Medical Officer	UGH
Dr. Pandey	Surgeon	East London Hosp Complex.
Dr. Shrivastava	CMO Anaesthesia	NMAH

Annex 4;

1-DAY PTC INSTRUCTOR COURSE PROGRAMME

Wednesday, March 14th

Venue: Auditorium

TIME	TOPIC	INSTRUCTOR
Monday		
09.00	10 minutes Registration & welcome	Dr. Oloruntoba
09.10	10 minutes Introduction & aims for the day	Mrs. Dobson
09.20	20 minutes PTC global view	Dr. Dobson
09.40	15 minutes Tips for effective teaching	Mrs. Dobson
09.55	30 minutes Preparing a talk – theory, preparation & practice Preparing the room & visual aids/slides/OHP/Ppt/board/flipchart	All
10.25	15 minutes BREAK	
10.40	45 minutes Mini teaching – Preparation & delivery of lecture	Mrs. Dobson
11.30	90 minutes Interactive teaching – theory, preparation & practice	All
13.00	40 minutes LUNCH BREAK	
13.45	20 minutes Teaching a skill/How to run a skill station	Dr. Oloruntoba
14.05	60 minutes Practical experience – skill stations Running a scenario	All Dr. Dobson
15.05	15 minutes How to set up and initiate a PTC course	Dr. Dobson
15.20	15 minutes PTC course experiences from Rwanda	Dr. Oloruntoba
15.35	10 minutes Writing a report	Dr. Dobson
15.45	15 minutes BREAK	
16.00	20 minutes Integrating PTC in Eastern Cape	Discussion
16.20	30 minutes Allocating roles & planning tomorrow's course	Instructors.
16.50	5 minutes Summary & conclusions	Dr. Oloruntoba

Annex 5:

New PTC Instructors

Name	Department	Centre
Dr Luis Perez	Medical Officer	UGH
Dr. C.P. Shrivastava	Anaesthesia	NMAH
Dr. Dhaffala	Surgery	NMAH
Dr. Joseph	Surgery	NMAH
Dr. Jayakrishnam	Surgery	NMAH
Dr. S.R. Pandey	Surgery	East London Complex
Dr. R. Osigwe	Accident & Emergency	NMAH
Dr. K. Agyekum	Orthopaedics	Bedford Hosp, NMAH
Dr. F. Mulunda	Medical Officer	St. Elizabeth Hosp, Lusikisiki
Dr. R.P. Kaswa	Forensics	WSU
Dr. S.P. Pradhan	Medical Officer	UGH
Dr. T. Alexander	Medical Officer	Pietermaritzburg

Annex 6;**2nd TWO DAY PTC COURSE PROGRAMME**

TIME		TOPIC	INSTRUCTOR
DAY 1	15 th March		
9.00	15 minutes	Introduction	Dr. Dobson
9.15	30 minutes	Local trauma perspective and MCQ	Dr. Dhaffala
9.45	30 minutes	ABCDE of Trauma and Primary survey	Dr. Luis Perez
10.15	45 minutes	Airway and Breathing	Dr. Shrivastava
11.00	15 minutes	BREAK	
10.15	45 minutes	Circulation and Shock	Dr. Agyekum
12.00	80 minutes	Skill stations Airway Cervical spine Chest drains	All Instructors
13.20	40 minutes	LUNCH BREAK	
14.00	30 minutes	Secondary survey	Dr. Mulunda
14.30	15 minutes	Demonstration Scenario	All
14.45	60 minutes	Scenarios	All
15.45	15 minutes	BREAK	
16.00	30 minutes	Chest injuries	Dr. Malunda
16.30	15 minutes	Overview and summary	Dr. Agyekum
DAY 2	16 th March		
9.00	30 minutes	Head and Spinal injuries	Dr. Dhaffala
9.30	30 minutes	Abdominal and Limb injuries	Dr. Pradhan
10.00	30 minutes	Paediatrics and Obstetrics	Dr. Luis Perez
10.30	15 minutes	BREAK	
10.45	30 minutes	Burns	Dr. Jayakrishnam
11.15	80 minutes	Workshops Analgesia Transportation Paediatrics Neurological assessment	All

12.35	55 minutes	LUNCH BREAK	
13.30	30 minutes	Disaster management	Dr. Joseph
14.00	30 minutes	Demonstration scenarios	All
14.30	60 minutes	Scenarios	All
15.30	15 minutes	BREAK	
15.45	15 minutes	Multiple choice paper	Dr. Agyekum
16.00	15 minutes	Summary and evaluation	Dr. Oloruntoba
16.15	15 minutes	Certificates and close	Dr's. Oloruntoba/Kingu

Annex 7;

Attendance List, 2nd 2 day Course, 15th & 16th March.

Name	Designation	Centre
Dr. G. Cusati	Medical Officer, Orthopaedics	Bedford Hosp, NMAH
Dr. R. Becerra	Medical Officer	UGH
Dr. C. Hobson	Cosmo	NMAH
Dr. B. Hobson	Cosmo	NMAH
Dr. L. Kwaza	Med. Officer, Ortho	Bedford Hosp, NMAH
Dr. M. Thanga	Med Officer, A/E	NMAH
SR Nompandana	Nurse, A/E	NMAH
SR N. Golimpi	Nurse, A/E	NMAH
Dr. Iqbal	Med officer, surgery	NMAH
Dr. JB Mkwanzzi	Medical Officer	UGH