

Report

Primary Trauma Care Course **Dr. Paul Hui**
Wewak, East Sepik Province, PNG. 28-29th November, 2006

Introduction

Trauma transcends all national boundaries. Many less affluent countries have a significant proportion of road and industrial trauma in a generally young population. Morbidity and mortality associated with such trauma can be reduced by early and effective medical intervention.

This primary trauma care course is intended to provide basic knowledge and skills necessary to identify and treat those traumatised patients who require rapid assessment, resuscitation and stabilisation of their injuries. This course will particularly highlight the need for early recognition and timely intervention in specific life-threatening conditions.

The course is intended to provide material by lectures and practical skill stations that represents an acceptable method of management for trauma. It provides a very basic foundation on which doctors and health workers can build the necessary knowledge and skills for trauma management with minimal equipment and without sophisticated technological requirements.

Venue:

Conference and Seminar room, Provincial Health Department building on the hospital ground of Wewak General Hospital.

Course Director:

Dr. Sandra Rennie, Senior Registrar, Emergency Medicine, Princess Margaret Hospital for Children, Perth, Western Australia.

Instructors:

Dr Paul Hui, Emergency Physician, Newcastle Mater Misericordiae Hospital, NSW, Australia

Dr. Sister Joseph, Acting CEO, Senior Specialist Surgeon, Wewak General Hospital
Dr. Charlie Turharus, Specialist Surgeon, Wewak General Hospital.

Provisions:

Course manuals were printed by the Provincial Health Department. Wewak hospital catering service provided lunch, morning and afternoon tea for all participants of the 2- day course. Data projector was provided by the hospital.

Participants:

69 health personnel from Wewak General Hospital and the community attended the 2-day course. They included doctors, nursing officers, anaesthetic technical officers, health extension officers, community health workers and overseas medical student.

The newly re-organized ambulance service also sent their first aiders and drivers.

Some attendees came from inland community health or sub-health centres requiring up to 8 hours travel time by vehicle or boat. The knowledge base and competencies in resuscitation varied widely among participants.

No	Name	Position	Location of work
1	Agnes Kani	Nursing Officer	A&E Wewak General Hospital (WGH)
2	Loma Likia	“	Medical Unit, WGH
3	Lorraine Batek	“	O&G WGH
4	Barbara Yohogu	“	Operating Theatre WGH
5	Marina Nohou	“	Medical Unit WGH
6	Mary Kaibau	“	SCN Wewak
7	Graham Sapak	“	A&E WGH
8	Joanne Ale	“	Operating Theatre WGH
9	Brian Gavingre	“	A&E WGH
10	Annette Ganbavi	“	Paediatrics WGH
11	Rose Komang	“	Maternal & Child Health WGH
12	Pricilla Kerek	“	WGH
13	Lynna Andakai	“	WGH
14	Augusta Sak	“	Director of Nursing WGH
16	Patricia Akinawi	“	Maternal & Child Health WGH
17	Linnah Ale	“	Provincial Health HQ /WGH
18	Josephine Kambu	“	Wirui Clinic, Wewak
19	Helen Yawi	“	Brugam Sub-health Centre Wewak
20	Beatrice Konou	“	Tumarau Sub-health Centre Wewak

21	Leo Mai	Nursing Officer	Yawasoro Catholic Health Centre Wewak
22	Raphael Badei	“	Koil SDA Sub-health Centre Wewak
23	Malaitom Ibis	“	MCH SDA Health Wewak
24	Daiven Watio	“	Mayriver SDA Health Wewak
25	Mary Joachim	“	Government Town Clinic Wewak
26	Moses Kapus	“	Moem Clinic Wewak
27	Sr. J Koris	“	A&E WGH
28	Helen Oswald	“	Kaugia Catholic Sub- health centre Wewak
29	Geyac Patinea Singut	“	Surgical Unit WGH
30	Ursulla Mai	“	Yawasoro Catholic Health Centre Wewak
31	Martina Rabusumbie	“	Naksinigel SDA Health Sub-health Centre, Yangoru
32	Clement Singu	“	Sassoya Catholic Sub-health Centre, Yangoru
33	Jacklyn Mafagura	“	Kunjingini Catholic Sub-health Centre, Wewak/Gawi
34	Rose Bais	“	Ulupu Catholic Sub-health Centre, Maprik
35	Natasah Steven	“	Timbunke Catholic Health Centre, Angoram.
36	Brian Gavungim	Medical Officer	A&E WGH
37	Dr. Gwaibo	“	Resident Medical Officer WGH
38	Nemia Bainvalu	“	A&E Modilon Hospital Madang

39	Oswald Harrison	“	Medical Officer WGH
40	Clement Manineng	“	Medical Officer WGH
41	Robin Davie	Medical Student	Elective term from London
42	Lillian Ihari	“	UPNG Port Moresby
43	Daniel Singut	Anaesthetic Technical officer	Operating Theatre WGH
44	Stephenie Wally	Health Extension Officer	O&G WGH
45	Nally Sanuku	“	WGH
46	Chris Mangon	“	DHS Wewak
47	Ricky Wrasause	Ambulance Driver	WGH
48	Cecelia Ilau	Community Health Worker	A&E WGH
49	Crescensia Ambun	“	Paediatrics WGH
50	Christine Lhamberi	“	A&E WGH

51	Brian Angili	Community Health Worker	Ilahita Sub-health Centre, SSEC, Maprik
52	Veronica Bakaka	“	Yarapos Catholic Aid Post, Wewak
53	Philimon manil	“	Mersey Catholic Sub-health Centre, Ambunti
54	Magie Klapat	“	Marienberg Catholic Sub-health Centre, Angoram.
55	Camel Bukia	“	Kosengo Catholic Aid post Wewak/Gawi
56	Anton Kalai	“	WGH
57	Glenda Pandukasi	First Aider	St. John Ambulance, Wewak
58	Sarah Kumasi	“	“
59	Concitha Hombel	“	“
60	Sarah Huipia	“	“
61	Elly Moike	“	“
62	Meilyn Jan	“	“
63	Elieen Dumbui	“	“
64	Elsie Wanda	“	“
65	Evin Sakia	“	“
66	Timthy Moike	Ambulance Officer	“
67	Doreen Giffad	First Aider	“
68	Maria Kovingre	Nursing Officer	“
69	Dr. Josephine Poulter	Resident Medical Officer	WGH

2 DAY PTC COURSE PROGRAMME

TIME	TOPIC	INSTRUCTOR	
DAY 1			
9.00	15 minutes	Introduction	Dr. Rennie
9.15	30 minutes	Local trauma perspective and MCQ	Sr. Joseph
9.45	30 minutes	ABCDE of Trauma and Primary survey	Dr. Rennie
10.15	45 minutes	Airway and Breathing	Dr. Hui
11.00	15 minutes	BREAK	
10.15	45 minutes	Circulation and Shock	Dr. Turharus
12.00	80 minutes	Skill stations Airway Cervical spine Chest drains	Faculty
13.20	40 minutes	LUNCH BREAK	
14.00	30 minutes	Secondary survey	Dr. Rennie
14.30	15 minutes	Demonstration Scenario	Faculty
14.45	60 minutes	Scenarios	Faculty
15.45	15 minutes	BREAK	
16.00	30 minutes	Chest injuries	Dr. Rennie
16.30	15 minutes	Overview and summary	Dr. Hui
DAY 2			
9.00	30 minutes	Head and Spinal injuries	Dr. Hui
9.30	30 minutes	Abdominal and Limb injuries	Dr. Turharus
10.00	30 minutes	Paediatrics and Obstetrics	Dr. Rennie
10.30	15 minutes	BREAK	
10.45	30 minutes	Burns	Sr. Joseph
11.15	80 minutes	Workshops Analgesia Transportation Paediatrics Neurological assessment	Faculty
12.35	55 minutes	LUNCH BREAK	
13.30	30 minutes	Disaster management	Faculty
14.00	30 minutes	Demonstration scenarios	Faculty
14.30	60 minutes	Scenarios	Faculty
15.30	15 minutes	BREAK	
15.45	15 minutes	Multiple choice paper	Dr. Rennie
16.00	15 minutes	Summary and evaluation	Sr. Joseph
16.15	15 minutes	Certificates and close	

Course Evaluation Forms:

Fifty-one evaluation forms were filled. Most participants were happy with the course content, its usefulness and relevance to their current practice. Most enjoyed the scenarios and forums. Quite a few people felt that there was too much detailed information and too little time and suggested a course that last more than 2 days. Presentation style was generally very well received. More than half respondents included favourable comments.

Commentary:

This is the first PTC course conducted in Wewak, a coast town and capital of East Sepik Province of PNG. The province is well known for its mighty river, mountain ranges and cultural diversity. Population of the province is quite spread out with people living mainly in villages along the river and its tributaries and a few large inland towns. There are hospitals, health centres and catholic sub-health centres in major towns like Ambunti, Angoram, Maprik and Timbunke staffed by health extension officers, nurses and community health worker. Ambulances are usually available for patient transportation. However, road travel during rainy seasons can be difficult and motorised canoes are needed.

The success of the trauma course owed much to the dedication of local organisers. It was well publicised with support from the provincial hospital, health department, both government and catholic health centres. The recently re-organized St. John Ambulance also sent some new recruits to the course.

Participants of the course were very attentive and enthusiastic. A lot of questions related to local issues were raised during the course. However, with the unexpectedly large number of attendees and only four instructors, opportunities for hands-on experience were limited. It was emphasised that air-way management skill could only be learnt with real patients. Course participants were advised to spend some time in the operating theatre of Wewak General Hospital and practice their newly acquired skills.

Good publicity was generated for the hospital and regional health services when an article about the PTC and a picture featuring Dr. Turharus appeared in the national paper during the following week. More PTC courses are recommended for the province.



