

Primary Trauma Care Instructors Course

REPORT

Port Moresby 25th – 30th May 2019

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Introduction and Background

The Primary Trauma Care (PTC) Instructor's course is a day course following a 2-day PTC Provider Course. It is designed to train trainers on how to deliver the PTC Course which is an interactive course designed specifically for limited resource environments with the aim to train front-line health workers with the skills, knowledge and attitude to save lives and prevent disability in the trauma patient. This Instructors course did not follow the structure of 2:1:2 which is a 2 days PTC Providers Course followed by a Day course of PTC Instructors Course then another 2 days of PTC Providers Course of which the new trained Instructors run the last 2 days. This is because most of the new Trainers have been delivering the PTC courses already but needed to be formally trained as trainers.

In the last PTC Instructors Regional meeting in Nadi, Fiji in April 2014, it was decided that most of the countries needed to do refresher Instructors courses but since then no courses have been delivered in PNG. I was involved in the PTC Instructors Courses for Kiribati in 2014 and Samoa in 2015. However, there has not been any PTC Instructors courses taught in PNG due to funding issues since the last PTC Instructors course in 2007.

PTC courses have been delivered in most provincial centres around PNG by new "informal" instructors to hundreds of doctors, nurses, Health Extension Officers, Community Health Workers, ambulance drivers and lay health officers have received the PTC message. Most training has been delivered by local PNG Faculty, with occasional support from experienced international instructors. Some PNG PTC leaders have participated in Pacific regional PTC workshops and courses, although the original pool of local instructors is now stretched with many other leadership, administrative and academic tasks. (Georgina Philips PNG CSP Report).

Objectives

The newly developed Australian government PNG Clinical Support Program (CSP) is Lae focussed and aims to improve clinical care and team performance at ANGAU Hospital, to complement the infrastructure redevelopment. Trauma care was identified in an initial scoping assessment as a priority area, and the PTC nominated as the most appropriate tool by which to train all providers to improve trauma care delivery and prevent death and disability.

The aims of this course were:

- To train new PTC Instructors, with a particular focus on establishing a core of new Instructors based at ANGAU Hospital in Lae
- To provide opportunistic training for the other PTC instructors from the other provinces
- For the Port Moresby based newly trained Instructors to deliver a 2 day PTC Provider Course, supervised and guided by the senior PTC faculty

Activities

The following PTC activities are outlined:

Sunday 26th May

- Preparation for PTC Instructors Course, refreshment and refinement of Faculty Training materials
- Meeting with Instructor Course Faculty: Local Course Director (and PNG PTC lead) Dr Desmond Aisi (MMedEM), and senior Faculty Dr Lucas Samof (MMedAnaes): planning, allocation of tasks, sharing of teaching materials and pre-course briefing

Monday 27th May

- PTC Instructor Course:8am-5pm
 - o Faculty: Dr Desmond Aisi, Dr Lucas Samof, Dr Georgina Phillips
 - o Participants: 17 total (16 doctors, 1 HEO, 4 in total from Lae ANGAU Hosp). (See Appendix 1 for participant details)
 - o See Appendix 2 for course structure
- PTC Faculty dinner – Shady Rest Hotel

Tuesday 28th – Wednesday 28th

- PTC Provider Course 8.30am – 4.30pm
 - o Faculty: Six newly training Port Moresby-based instructors; Drs Mangu Kendino (Course Director), Scotty Kandelyo, Carl Kingston, Ware Vagoli, Duncan Sengiromo and Samuel Andrew (Kerema), with guidance from the Instructor Course Faculty; Drs Aisi, Samof and Phillips
 - o Participants: 23 doctors and nurses from the Port Moresby General Hospital emergency department (ED)
- PTC new and old Faculty dinner Wed 28th – Shady Rest Hotel restaurant

Outcomes

The significance of the local PTC Instructor course cannot be underestimated. This is the first instructor course in 12 years, and only the second for PNG. The original pool of local PTC instructors has been diluted over time as senior doctors take on higher leadership roles; and energy, time and funding for provider courses in Port Moresby and the provinces has diminished. At the peak of PTC activities 5-10 years ago, there were several PTC courses delivered in different parts of PNG over each year. Whilst PTC courses still occur, many instructors had not completed formal training and were keen to improve their skills for this task. (Georgina Philips Report)

Now a fresh, enthusiastic cohort of talented young doctors will take over momentum for PTC courses in around the country. A leadership group of PTC instructors exists now for Lae, who will start planning future courses. Doctors from 7 other provinces around PNG are now trained PTC instructors and will organise courses for their own sites and invite newly trained faculty from around the country to assist.

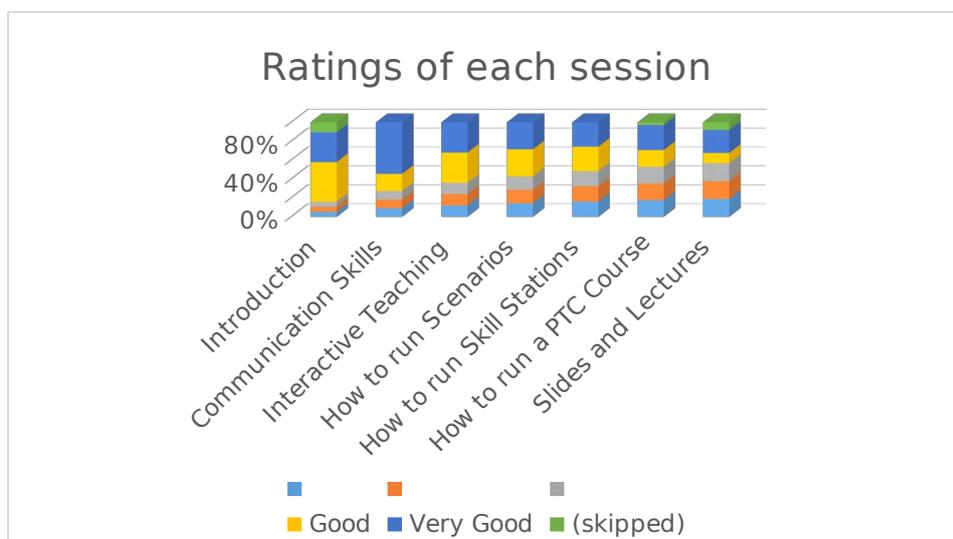
Feedback from the Instructor Course confirms its success, with all sessions rated as either good or very good (Table 1). Free text comments highlighted the importance of the ‘Communication’ and ‘Interactive teaching’ message embedded throughout the course:

“All the sessions were amazing and very helpful. I was greatly helped by the sessions 1 and 2” and “communication and interactive skills sessions”

Suggestions to improve focussed on logistical issues of time, venue and equipment management.

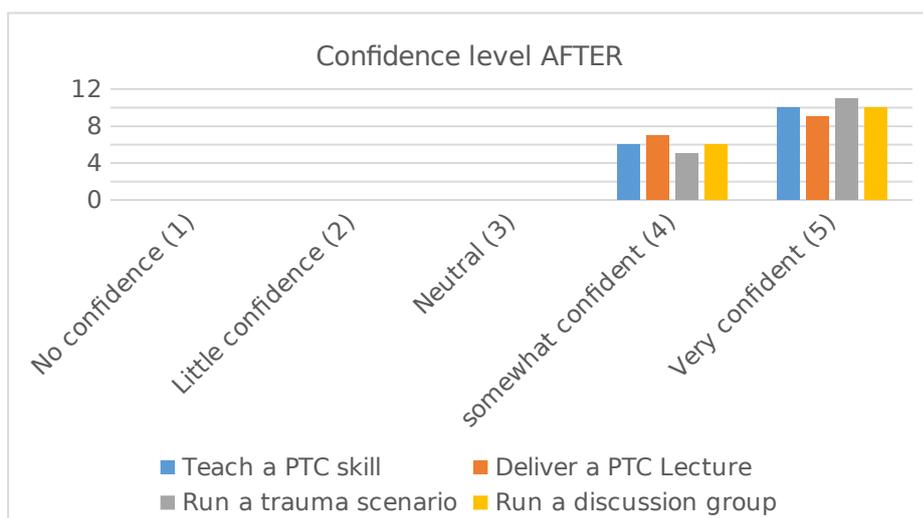
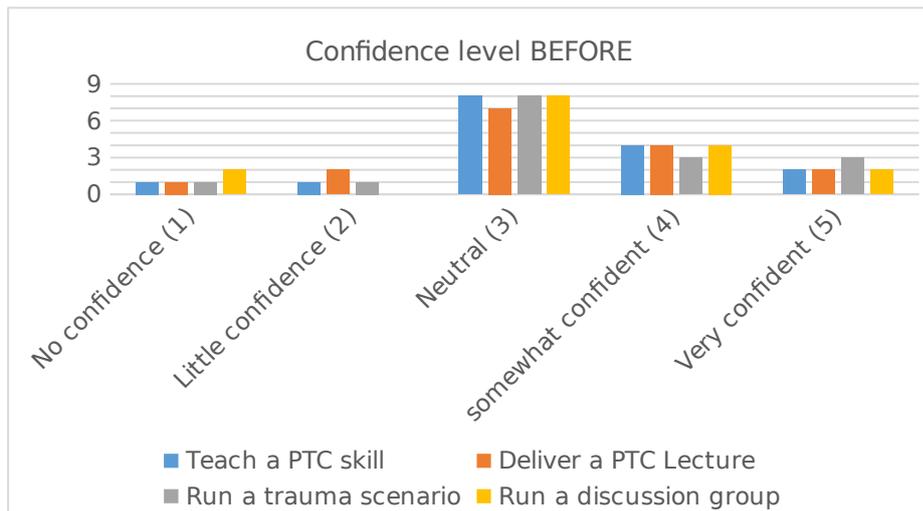
(Dr Georgina Philips PNG CSP Report)

Table 1. Ratings of each Instructor Course session (n=16)



The confidence matrix showed substantial increases in confidence across all main teaching domains (Tables 2 and 3).

Tables 2 & 3: Confidence ratings before and after the PTC Instructor Course (n=16)



Limitations

Although the courses ran smoothly and were highly successful, there were logistic challenges that should be addressed for future similar activities. Delays and barriers to timely funds transfer resulted in no course materials printed for either the instructor or provider courses. Certificates and critical teaching resources (such as scenario and skill station teaching tips) were printed by me on my home computer, and soft copies of all resources shared amongst the new instructors. For future courses, having essential printed materials for both the instructors and providers courses will be critical.

The soft copies of the course materials were given to the Participants who provided their own flash sticks.

There was also some confusion about funding for meals for the local faculty, which was rectified by timely communication with the Melbourne-based coordination team.

The manikins used for training are old and worn

Recommendations / Way Forward

Future activities and plans are recommended:

- PTC Provider Courses in Lae; new local instructors are encouraged to plan for a course towards the end of 2019 and then ideally two courses in 2020, inviting additional faculty from Port Moresby and other provinces. Funding encouraged from RACS.
- PTC Provider Courses around PNG; new local instructors will be planning for courses in their own provinces and sharing faculty and resources. External funding sources are encouraged.
- For the RACS to address logistic issues, such as establishment of an in-country officer (currently underway), with access to a local bank account for timely funds transfer
- Purchase of new training equipment as the current ones are worn out
- Collect the printed manuals from Theodist and deliver to the New Instructors
- Dr Mangu Kendino to write the PTC Provider Course report and submit
- Data of all PTC courses to be kept and sent to me for record keeping
- For future PTC Instructors Course, it will be very helpful to have at least 6 Facilitators to run the training smoothly and effectively

Acknowledgements

This was an important event that was enabled through the RACS. Thanks to:

- Local PNG PTC leader and mentor; Dr Lucas Samof
- International PTC Leader and mentor; Dr Georgina Philips
- All PNG participants in both the Instructors and Providers courses
- Royal Australasian College of Surgeons: Gwyn Low, Tessa Fiskin and the team
- Australian Government DFAT
- PTC Foundation
- ACEM PNG Country Liaison; Dr Colin Banks, ACEM International EM Committee and PNG supporting FACEMs
- Shady Rest Hotel and management
- Claire Matainaho, HECS office, SMHS

Appendix 1: Instructor Course Participants

Appendix 2: Instructor Course Program

Appendix 3: Photos

Appendix 1: Instructor Course participants

Dr William Mataio (EM trainee)	Alotau, Milne Bay Province
Dr John Junior McKup (MMedEM) Province	Mt Hagen, Western Highlands
Dr Samual Andrew (MMedEM)	Kerema, Gulf Province
Mr Brown Sep (HEO) Province	ANGAU Hospital, Lae, Morobe
Dr Alphonse Rongap (MMedSurg) Province	ANGAU Hospital, Lae, Morobe
Dr Donna Piamnok (MMedEM)	ANGAU Hospital, Lae, Morobe Province
Dr Maria Moguna (MMedAnaes) Province	ANGAU Hospital, Lae, Morobe
Dr Athanasius Kari (Rural Med trainee)	Aitape, Sandaun Province
Dr Joel Silari (Anaesth trainee)	Port Moresby General Hospital
Dr Joel Martin (MMedEM)	Kundiawa, Simbu Province
Dr Jiuth Gawi (MMedEM)	Madang, Madang Province
Dr Oliver Adam (MMedAnaes)	Kundiawa, Simbu Province
Dr Mangu Kendino (MMedEM)	Port Moresby General Hospital

Dr Scotty Kandelyo (MMedEM) Deputy Chief EM	NDOH, Highlands Regional
Dr Carl Kingston (MMedEM)	Port Moresby General Hospital
Dr Ware Vagoli (MMedEM)	Port Moresby General Hospital
Dr Duncan Sengiromo (MMedEM)	Port Moresby General Hospital

Faculty:

Dr Desmond Aisi (MMedEM) EM	Port Moresby General Hospital, PNG Southern Regional Deputy Chief
Dr Lucas Samof (MMedAnaes)	Alotau, Milne Bay Province
Dr Georgina Phillips (FACEM)	Melbourne, Australia

Appendix 2: Instructor Course Program

Time	Topic	Facilitator
0800	Registration and Welcome	Aisi
0830	Introduction to the day and our training method	Aisi
0845	Session 1 How to improve your communication skills	Phillips
1015	Session 2 How to be an interactive instructor	Samof
1115	Tea break	
1130	Session 3 How to run scenarios	Phillips
1300	Lunch	

1345	Session 4 How to run skill stations	Samof
1515	Afternoon tea + How to run a PTC Course	Aisi
1600	Session 6 How to give a good PTC Lecture	Phillips
1715	Confidence matrix, Evaluation Certificates	Aisi
1745	Close and team debrief	All faculty

Appendix 3: Photos



Instructor Course: Dr Lucas Samof, running a session



Instructor Course: group discussion practice



Instructor Course: Dr Maria and Dr Donna practising interactive teaching



Instructor Course: the Faculty demonstrating a scenario



Instructor Course: practising a scenario



Instructor Course: Dr Scotty receiving his certificate from Faculty: Drs Georgina and Desmond



Instructor Course: group photo



Provider Course: new instructors Drs Mangu, Carl and Ware keeping time



Provider Course: Dr Mangu running a skill station



Provider Course: Dr Ware running a scenario



Provider Course: final part MMedEM candidates with their PTC certificates; Drs Posanau, Kore, Koha and Aaron



Senior PTC Faculty: Drs Georgina, Desmond and Lucas