



Stung Treng

2nd – 3rd May 2013

PTC Report

PTC

Primary Trauma Care
Foundation



Purpose of the visit: to conduct a 2 day PTC course

In Stung Treng

Which is a remote province in Cambodia.

Despite being only 400km away from Phnom Penh, the capital of Cambodia, it takes nearly 8 hours to travel this distance by road

Map of Cambodia



Executive Summary

- A two day PTC course was conducted in Stung Treng
- PTC Instructors came from Angkor Hospital for Children, Siem Reap
- The Course Director was from Australia
- Potential instructors were identified and plans were made for the next PTC course to be held in Kratie

Key Staff involved with planning and coordination



- **Ms Manila Prak,**
Nurse, AHC
- **Ms Naro Kong,**
Nurse, AHC
- **Mr Visal Rakanak,**
Nurse, AHC
- **Mrs Rany ,**
physiotherapist, Stung Treng
- **Dr Suzi Nou,**
Anaesthetist, Australia



F-B: Mr Visal Ratanak, Dr Suzi Nou, Ms Naro Kong, Ms Chhomrath (Head Nurse, ICU) at AHC preparing for the course.

Professional Aspects of the Visit

- The faculty were able to tour the Emergency Department and the ICU
- The ICU has recently been supplied with equipment, such as new ventilators
- The ICU staff have requested training to use the new equipment



**Stung Treng Emergency
Department**

Stung Treng ICU



4 beds (3 occupied)



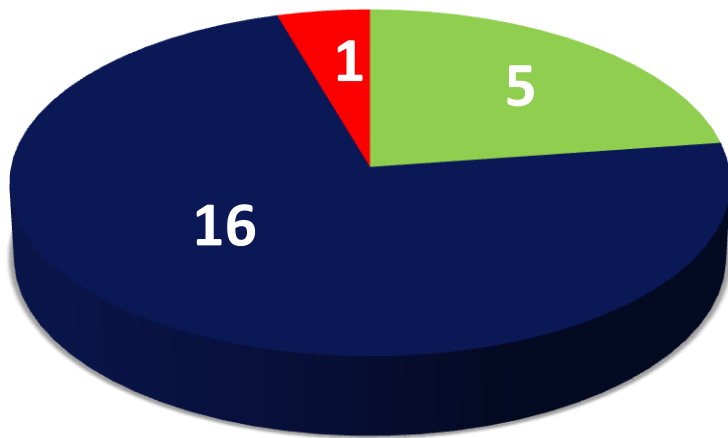
New ventilator next to the empty bed



There were a total of 22 participants

The participants consisted of:

By PROFESSION:

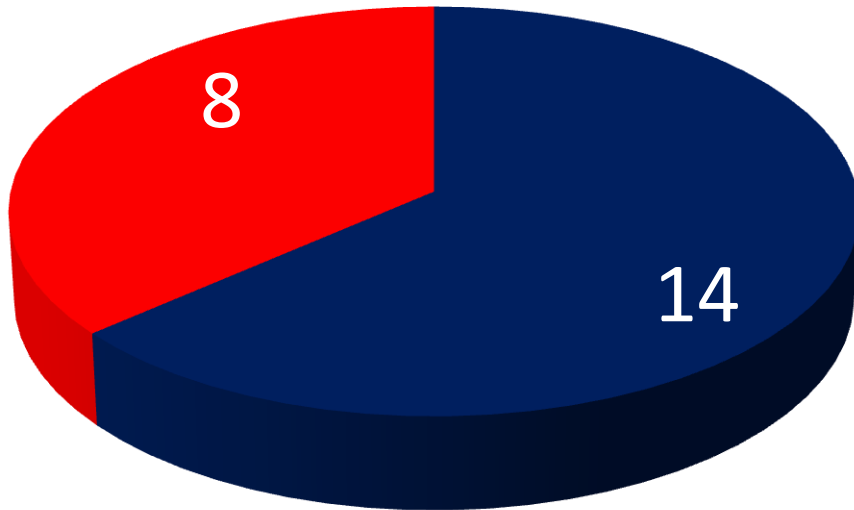


■ MD ■ nurse ■ midwife

- Of the 5 doctors (MD):
 - 1 Chief of ICU
 - 2 junior Emergency Doctors
 - 1 junior Obstetric Doctor
 - 1 Psychiatrist

The participants came from:

LOCATION



■ District Hospital

■ Health Centre

■ NGO staff

■ MoH

- Of the 22 participants, 8 came from rural health centres :
 - Siem Pang (100 km)
 - Kamphun (50km)
 - Kbal Romes (30km)
 - Srey Krosang (20km)



5 local PTC Instructors + one Australian Course Director

From L-R: **Dr Kheng Chheng**, Head PICU, AHC,
Mr Visal Rakanak, ICU Nurse, AHC,
Dr Yos Pagnarith, Head, PICU, AHC,
Mr Choeng, ICU Nurse, AHC,
Dr Suzi Nou (Course Director),
Ms Naro Kong, ICU Nurse, AHC



Details of activities: the course was taught using a variety of methods



**Lectures: delivered in Khmer,
with Khmer slides**

Discussion groups

Practical Teaching: skills

Making cervical collars from cardboard



Airway management



Scenario based teaching

Scenarios were demonstrated by the instructors



And practiced using each other or manikins donated to AHC by APLS Australia



Contents of the PTC course: day 1

Day 1

TIME	Duration	TOPIC	INSTRUCTOR
8.00	15 min	Introduction	Suzi & Naro
8.15	30 min	Local trauma perspective and MCQ	Suzi
8.45	30 min	ABCDE of Trauma and Primary survey	Chheng
9.15	30 min	Airway and Breathing	Pagnarith
9.45	15 min	BREAK	
10.00	30 min	Circulation and Shock	Visal
10.30	90 min	Skill stations Airway 1 Airway 2 Cervical spine & Logroll Chest drains	Visal Pagnarith Choern Chheng
12.00	90 min	LUNCH BREAK	
13.30	30 min	Secondary survey	Naro
14.00	15 min	Demonstration Scenario (+/- log roll)	Instructor – Pagnarith Student – Cheng Patient – Visal Assistant - Naro
1415	60 min	Scenarios	Pagnarith, Chheng, Choern, Visal
1515	15 min	BREAK	
1530	30 min	Chest injuries	Choern
1545	15 min	Overview and summary	Suzi
1600		CI OSF	

Contents of the course: day 2

DAY 2			
8.00	45 min	Head and Spinal trauma	Pagnarith
8.45	30 min	Abdominal and Limb trauma	Chheng
9.15	30 min	Trauma in Children and Pregnancy	Visal
9.45	15 min	BREAK	
10.00	30 min	Burns	Naro
10.30	90 min	Workshops Analgesia Transportation Paediatrics Neurological assessment	Pagnarith Chheng Visal Choern & Suzi
1200	90 min	LUNCH BREAK	
1330	30 min	Disaster management	Choern & Chheng
1400	90 min	Scenarios	Naro, Choern, Pagnarith, Chheng
1530	15 min	BREAK	
1545	15 min	Multiple choice paper	Visal
1600	15 min	Summary (MCQ) and evaluation	Cheng
1615	15 min	Certificates and close	Suzi
1630		CLOSE	

Media Coverage

- No media coverage was sought.
- Media coverage in Cambodia is usually fee for service

PTC Course Evaluation:

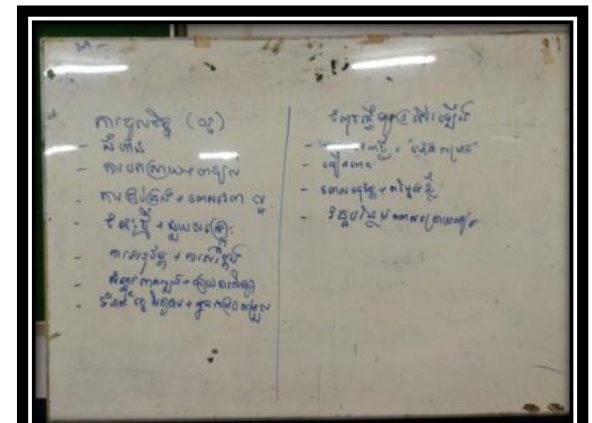
a feedback session was held at the end of the course

Positive feedback

- ✓ Systematic
- ✓ good explanations
- ✓ Well organised
- ✓ teaching methods especially scenario teaching
- ✓ experienced teachers
- ✓ new knowledge
- ✓ Practical
- ✓ good equipment
- ✓ enough refreshments
- ✓ liked the pre and post test
- ✓ good communication between instructors and participants

Could improve:

- too short, more time on practical exercises especially skills and scenarios
- want to travel to do the course, to see other hospitals
- request for more training in general
- request for coffee



Further Evaluation of the success and relevance of the visit

In Cambodia, the provision of per diems to participants has been legislated.

When asked if participants were **willing to pay** to attend the course they answered:

They wouldn't do the course

When asked if they would attend the course **without a per diem** they answered:

It would depend on travel costs. If the course was held close to their home, they would come.

It would depend on the topics taught. They would come for teaching in Emergency Medicine and Obstetrics.

MCQ results

In order to evaluate the learning from the course a pre and post test of 20 MCQs was given to the 22 participants.

	Pre-test	Post-test	increase
Average score	36%	61%	25%
No. of participants with >10 correct	2	15	13

PTC Instructors Course

- An Instructors Course was not held
- 5 participants were identified as being suitable and interested in becoming instructors
- A 2-1-2 provider-instructor-provider course is planned for Kratie, which will include these Instructor Candidates

Future Recommendation: to confirm that staff can be released from clinical duties.

- The staff of Battambang Hospital were not able to be released from their clinical duties.
- They attended their patients each morning before the course, resulting in changes to the timetable and a later start time.
- Initially there were 26 participants. Four returned to clinical work and were invited to attend the next course, so that the hospital would not be left without staff in key departments.

Teaching materials provided

- All participants were provided with a:
- PTC Manual, in Khmer
- Folder
- Pen
- Certificate, on successful completion



Mr Visal Ratanak and Ms Naro Kong preparing materials

Acknowledgements

- Australasian College of Emergency Medicine (ACEM) funded the course
- Angkor Hospital for Children (AHC) provided the Faculty, pro bono
- Societe Cambodgienne de Anesthesie et Reanimation et de Medicine D'Urgence (SCARMU), publicised the course
- APLS Australia loaned the manikins



Summary of PTC in Cambodia

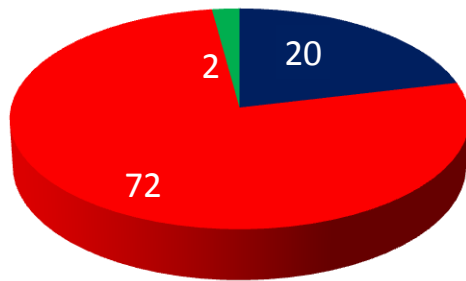
4 courses in 3 cities/towns

94 participants

76 successful (>50% on post test)

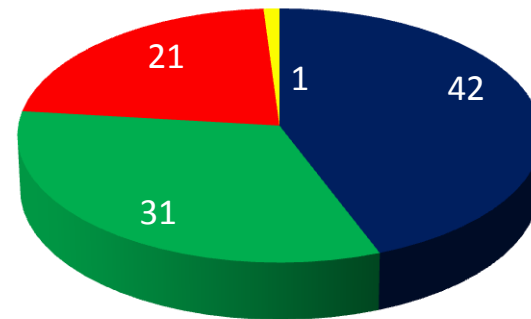
18 Instructors

- By Profession:



■ MD ■ nurse ■ administrative

- By Location of Work:



■ Hospital ■ Health Centre ■ NGO ■ MoH