

# PTC NEWS

Edition 29

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**NOVEMBER 2010**

## THIS EDITION

In this edition, we feature:

- PTC Course - Mongolia

### PRIMARY TRAUMA CARE INSTRUCTOR COURSE Ulanbaatar, Mongolia 9th to 15th June, 2010

#### *Executive Summary*

#### **1. What is the problem?**

Trauma is a major cause of death and disability in many developing countries, including Mongolia the **Primary Trauma Care** course was developed to train health care workers to effectively and systematically manage trauma patients. **PTC** courses have been held in many parts of the world. Two previous courses have been held in Ulanbaatar

#### **2. What did we do?**

A 2-day **PTC** course and one-day **PTC** Instructor Course were held in Ulanbaatar These courses were immediately followed by a second 2-day course organised and taught by the newly trained local instructors. 8 people attended the first 2-day course, 8 new instructors and two experienced instructors joined the instructor course, and 13 attended the second 2-day course. The aim of these courses was to teach trauma management knowledge and skills to course participants and also to train and develop the skills of local **PTC** instructors.

#### **3. What happens next?**

There is now a strong group of local **PTC** instructors who have the equipment, knowledge and skills to run future **PTC** courses in Ulanbaator. A **PTC** committee has been formed and plans are under way to hold a follow-up course in late 2010.

#### **4. What help will be needed?**

This course was funded by the **PTC** foundation with the overseas instructors self funding flights and accommodation. **PTC** courses are relatively cheap to run but the future sustainability of **PTC** in Mongolia will depend on the enthusiasm of the local instructors and the ongoing support of the Ministry of Health hopefully in collaboration with The World Health

Organisation. Courses in the capital Ulanbaatar will require less resources than courses in the regions.

#### **Introduction**

Mongolia is a large country land locked between China and Russia. The population is about 3.0 million with about 1 million living in the capital Ulanbatar. Trauma deaths account for about 15% of deaths in Mongolia making it the third most common cause of death with a significant number of these deaths occurring in younger age groups. It also contributes to significant disability. Road traffic accidents, horse riding accidents and burns are the main causes of trauma. Factors contributing to car crash injuries are alcohol use, lack of seatbelt use, vehicle overcrowding and poor vehicle maintenance. Burns are caused by cooking fires used indoors in the felt Ger due to the climatic conditions. The **Primary Trauma Care** course was developed with the backing of the **WHO** to train health care providers to prioritise and treat severely injured patients quickly and systematically, thereby reducing death and disability. The course is specifically designed for health care providers working in developing countries and takes into account the resource shortages in these countries. The very first **PTC** course was run in Fiji in 1997 with the backing of the Australian Society of Anaesthetists, but **PTC** is now being taught in many parts of the world, including many countries in Africa, South America and Asia. Apart from teaching a system for managing trauma patients, **PTC** has a number of other benefits:

- **PTC** principles can be applied to non-trauma patients.
- The course teaches teamwork and communication between doctors, nurses and other healthcare workers.
- The course develops teaching skills and encourages ownership by local healthcare workers.

#### **Local Organisers**

**Dr Ganbold Lundeg** President of the Mongolian Society of Anaesthetists organised the venue and participants. He also liaised with and arranged meetings with representatives from the **Ministry of Health** and **W.H.O.**

**Dr Ariuntungalag Myagmar (Tungaa)** also assisted

with pre-course organisation, instructing on the first course and was course Director during the second 2 day course conducted in Mongolian.

**Course Instructors for First 2-Day Course  
(and Instructor Course\*)**

**Dr Tungaa** (Local organiser)  
Anaesthetist Maternal and Child Health Research Centre

**Dr. D Kenneth Brownhill** (Overseas Organiser)  
Anaesthetist, Melbourne Australia

**Dr Wayne Morriss**  
Anaesthetist, Christchurch, New Zealand

**Dr Stephen Swallow**  
Anaesthetist, Hobart, Australia

**Dr. Ganbold**  
Anaesthetist and President of the Mongolian Society of Anaesthetists.

**Instructors for Second 2-Day Course**

**Dr. Tungaa** - Anaesthetist, Ulanbaatar

**Dr. Burmaa** - Anaesthetist, Ulanbaatar

**Dr.Nurbek** - Resident Emergency Medical Service

**Dr Odgerel** - Anaesthetist, Ulanbaatar

**Dr. Onigerel**

Director, Emergency Medical Service

**Dr. Tsoomoo** - Anaesthetist, Mongolian Army

**Dr. Zulaa** - Anaesthetist, Ulanbaatar

**Course Participants**

**(First 2-Day Course)**

**Tsoomoo B** - Anaesthetist, Mongolian Army

**Batbayar Ts** - Surgeon, Trauma Hospital

**Enkhzul G** - Anaesthetist, Number 1 Hospital U.B.

**Zorigt L** - Anaesthetic Resident

**Nurbek B** - Surgeon, Emergency Medical/Ambulance Service

**Onigerel L** - Director, Emergency Medical/Ambulance Service

**Odgerel B** - Anaesthetist, Childrens' Hospital U.B.

**Kherlen P** - Anaesthetic Resident

**(Instructor Course)**

**Tungaa**

**Zulaa**

**Onigerel**

**Nurbek**

**Burmaa**

**Tsoomoo**

**Odgerel**

**(Second 2-Day Course)**

**Byambaa Batbayar** - Orkhon Province, Anaesthetist

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**Choibaatar Boldbaatar** - Dorno-gobi Province, Anaesthetist

**Lkhagvasuren Baigal** - Medical University, Nursing School educator

**Batbayar Sainzaya** - Anaesthesiology resident

**Chuluun Enkhtuul** - Medical University, Nursing School educator

**Enkhbat Solongo** - Anaesthesiology resident

**Batsaikhan Enkhzul** - Anaesthesiology resident

**Khadkhyy Oyunsuvd** - Anaesthesiology resident

**Regzedmaa Orgilmaa** - Medical University, Nursing School educator

**J Nyamaa** - Arkhangai Province, Anaesthetist

**Sandan Enkhsaikhan** - Zavkhan Province, Anaesthetist

**Batsuren** - Anaesthesiology resident

**Lkhagvaa Altanzul** - Anaesthesiology resident

**Ganbold Ariunbold** - Anaesthesiology resident

**Anjaa Odmaa** - Anaesthesiology resident

**Tumurbaatar Otgonjargal** - Anaesthesiology resident

**Yanjmaa Enkhjargal** - Medical University, Nursing School educator



**Venue, Presentation, Catering**

All courses were held at The Mongolian Anaesthetists Society offices. This was an excellent venue with a central location. The lectures were held in the offices with a mounted projector available. The scenarios were held in a nearby hall provided for the occasion.

Catering was arranged by **Dr Tungaa** with food bought in from local outlets.

**Teaching Materials**

**Dr Tungaa** who translated the manual with the help



of colleagues organised printing of all manuals in Ulanbaatar. With some manuals printed in English including the Instructors manual. A print run of 500 manuals in Mongolian was also arranged. The manuals were of good quality, printing costs to be met by the **Primary Trauma Care Foundation**.

Copies of all teaching materials, manuals and other documents were copied and CDs were given to all new instructors.



### **MCQs**

MCQs were asked at the beginning and end of each course

### **Participant Feedback**

Overall, participant feedback was very positive for all three courses. Of those who participated on the instructors course and taught on the second 2 day course **Dr. Onigerel** from the Emergency Doctor/ Ambulance Service and **Dr. Tsoomoo** from the Mongolian Armed Forces expressed that they would be very keen to have the course taught to all staff within their respective services.

### **Financial**

All overseas instructors self funded their flights and accommodation. The Mongolian Society of Anaesthetists very kindly provided the venues. The World Federation of Anaesthetists provides a resuscitation manikin which was brought by **Dr. Morriss** and was donated to the Mongolian Society of Anaesthetists for future courses.

There was agreement from the **Primary Trauma Care Foundation** that some funds would be available for the course though it was not possible to submit a budget prior to the visit as the main expenses printing the manuals had not been costed.

### **Success and Relevance of the Visit**

The main objectives of the visit were:

- To teach **PTC** concepts and skills to relevant

health providers

- To give a group of local instructors the knowledge and skills to run more **PTC** courses in the future.

We were able to teach **PTC** concepts and skills to relevant health providers in both 2-day courses.

There was a good mix of healthcare providers during both 2-day courses from a range of medical services.

The instructor course and subsequent 2-day course were very successful. The newly trained instructors were extremely well organised, very enthusiastic and were very effective teachers. They ran the course with almost no assistance from the external instructors.

### **Plans for the Future**

There are two main challenges:

- For **PTC** instructors and participants to apply **PTC** principles to the management of patients on a day-to-day basis.
- For **PTC** instructors to run more **PTC** courses.

To do this, they will need ongoing support from senior clinicians, the Ministry of Health and hopefully the World Health Organization.

During our visit **Drs Ganbold, Morriss and I** had a very constructive meeting with **Ms. S Tugsdelger** the Director of the Department of Public Health Policy Implementation and Coordination. She was keen to learn about **PTC** and over the next period will consider whether **PTC** should be one of the approved courses aimed at improving the management of Trauma in Mongolia.

**Drs Ganbold and Swallow** also met with the local **WHO** representative. **Dr Swallow** will report on that meeting separately.

### **Acknowledgements**

Special thanks to **Dr Ganbold** for doing all the preparatory work and to **Dr Tungaa** for her work in translating the manuals and slides, organising printing and catering and Directing the team of new instructors on the second 2 day course. Thanks very much to the other overseas instructors, **Dr. Stephen Swallow** and **Dr. Wayne Morriss**.

**Dr Ken Brownhill**

**Overseas Coordinator PTC Mongolia 2010**



## 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:

[admin@primarytraumacare.org](mailto:admin@primarytraumacare.org)

(This report is also now available to view online at [www.primarytraumacare.org](http://www.primarytraumacare.org))

## NEXT EDITION

**Report on the Introduction of PTC in China**