

Report of first Morocco PTC, Casablanca, 13-17 October 2008



Purpose of the Visit

The purpose of our visit to Casablanca was to introduce the Primary Trauma Care system to the Kingdom of Morocco. This course was particularly notable in being the first PTC course to be run entirely in French, and we are hopeful that in the future Morocco will become a centre for the spread of PTC in Francophone Africa, and the wider French-speaking world.

Background and Relevance of Visit

This beautiful country unfortunately suffers from an unusually high mortality from road traffic accidents. We were informed by one of our hosts in the first lecture that on average 1 car in Morocco kills 15 times as many people as a car in Italy, and 2.3 times as many as in its near neighbour Tunisia. Morocco has also suffered a number of major disasters, such as the earthquake in Al Hoceima.

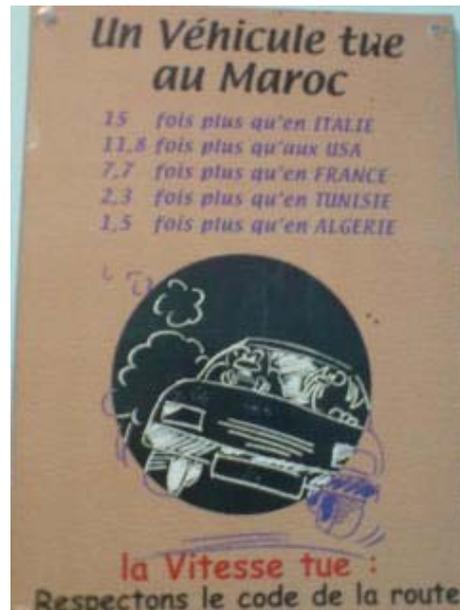
There is currently a strong political will in Morocco to put in place a strong system of trauma care.

There is a clear need for a course such as PTC. While there are many extremely highly trained and dedicated clinicians in Morocco, we were told that what is lacking is a “trauma system”, a simple, standardised approach understood by all involved in trauma care. There is no other trauma care training course currently operating in Morocco.

Summary of Visit

Flexibility is a key principle in PTC, and this course was no exception. When we arrived on Day One we were informed that we would not be able to use the fifth day planned for training, due to a visit by His Majesty the King of Morocco (announced only a week in advance). As it turns out this is likely to be of tremendous benefit to the work of PTC in Morocco. His Majesty came specifically to inaugurate the new “SAMU” in Casablanca, a medicalised ambulance service that will be pivotal to the pre-hospital care of trauma patients in this area. We are told that this visit will send out a strong message of the importance of similar services across the country. The arrival of PTC just before this visit could not have been more timely.

We therefore ran a standard 2 day PTC course for the first group of participants, followed by a standard 1 day instructor training course. Finally the new instructors ran a slightly compressed PTC over one long day. This approach proved to be very successful in the circumstances. Our trainees proved to be highly motivated, quick learners and able teachers, and well able to be flexible themselves. Our watchword for the week became: “On s’adapte”



Key Staff involved in planning and co-ordinating

The initial impetus for the visit came from **Dr Ahmed Chekairi**, an Anaesthetist from Oxford. He urged the PTC committee to consider running PTC in his native Morocco. He subsequently travelled to Morocco on his own expense to find a coordinator within the country, and was responsible for much of the preparation and communication from the UK. Sadly he became ill shortly before the course and was unable to come out to instruct. He deserves our deep thanks for all of his dedication and hard work. The Moroccan coordinator was **Dr Mohammed Mouhaoui** (Assistant Professor, Anesthésie et Réanimation, Centre Hospitalier Unversitaire, Casablanca, and Responsable du SAMU de Casablanca). Mohammed is noted by everyone who meets him as an extremely able organiser, and he did a truly superb job in putting this PTC course together. In particular, he managed to recruit an exceptional group of participants, he translated the MCQ single handedly into French, and handled the many details that resulted in a very smooth running course. All this whilst preparing for a visit from the King to his department at the end of the week, doing on-call clinical duties, and remaining friendly and relaxed! He also proved to be eager to learn and an extremely able teacher, and valuable member of the Instructor team. None of us will forget his lively talk on disaster management! Formidable!

Our thanks also go to **Prof Louardi** (Doyen de la Faculté de Médecine et Pharmacie, Casablanca) and **Prof Barrou** (Chef de Département d'Anesthésie et Réanimation, CHU Casa, and President de Société Marocaine d'Anesthésie) for their warm welcome and support for the course. In particular we wish to thank them for their generosity in funding our superb accommodation and food. They are highly respected members of the medical community in Morocco, and will be valuable friends to PTC in the years ahead.

Finally, thanks go to **Dr Mike Dobson** (Consultant Anaesthetist, Oxford and PTC Trustee) the overall Course Director, for all of his hard work in bringing this course to reality.

Course Participants

We were fortunate to have a truly exceptional group of participants. They were drawn from all 4 major centres of medical education in Morocco, and all the key specialties relevant to trauma care. We found them to be highly motivated, good humoured, quick learners, and able teachers. We have high hopes for the future of PTC Morocco in their hands.

Casablanca

Dr Khalid Yaqini, Anesthésie-Réanimation
Dr Khalid Khaleq, Anesthésie-Réanimation
Dr Redouane Rabii, Urologie
Dr Jaouad Adraoui, Viscéraliste
Dr Ouafaa Rabbai, Anesthésie-Réanimation

Rabat

Dr Hicham Bahiri, Urgentiste
Dr Othmane Kettani, Traumatologie
Dr Ahlam Mossadaq, Anesthésie-Réanimation
Dr Ali Kettani, Anesthésie-Réanimation
Dr Zakariah Belkhadir, Anesthésie-Réanimation

Marrakech

Dr Hicham Nejmi, Anesthésie-Réanimation
Dr Rhassane El-Adib, Anesthésie-Réanimation
Dr Khalid Kulali, Traumatologie

Fes

Dr Nabil Benzagmout, Neurochirurgie
Dr Hicham Sbai, Anesthésie-Réanimation
Dr Smael Labib, Anesthésie-Réanimation

Course Instructors

Dr Mike Dobson (Consultant Anaesthetist, Oxford) was the Course Director.

Dr Roberto Lopez (Consultant Surgeon, Paraguay) is probably the most experienced PTC instructor in the world, having completed 80 courses. He is also fluent in French and has a keen sense of humour!

Mrs Shirley Dobson is a specialist in education and training teachers. She led the 1 day instructor course.

Dr Chris Lambert (former Anaesthesia SpR, London) now lives with his family in Morocco, working with a charity, Across Maroc, in medical development. He is an ALS and APLS instructor, but this was his first PTC course.

Dr Mohammed Mouhaoui (above) joined the faculty to teach the Local Perspectives and Disaster Management lectures.



(Shirley,
Mohammed
, Mike,
Roberto)

**Details of
Activities**
Outlined in
course
programme
below.

**Subsidiary
Activities**
We were
kindly
taken on

several visits of professional and cultural interest. These included...

- Emergency Department, Centre Hospitalier Universitaire, Casablanca
- SAMU Headquarters, Casablanca
- Grand Mosque, Casablanca
- Centre Hospitalier Universitaire, Marrakech

Contents of PTC Course

Standard programme, as per attached timetable.



Success of Visit

The first element in the success of the course was the choice of the participants. We found them to be highly motivated: many of them have already chosen to specialise

in teaching as a career path. They quickly grasped the principles of PTC, and were quite passionate in passing them on to the participants on the second course. There are some very able teachers among the group, and we saw exciting improvement in all of them. Although they came from different specialties and regions, there was a real camaraderie among them as a group. This was clear among the 12 new instructors who stayed to teach the second course.

Secondly the facilities were excellent. We used a room that was purpose designed for the teaching of emergency medicine skills, equipped with mannequins, resuscitation equipment and digital projector. Refreshments were excellent and always on time, so we were able to use our time effectively.

Thirdly the timing of the course appears to have been very fortuitous. There appears to be a remarkable convergence of both political will and desire among the medical community to address the issue of trauma at this time. The visit at the end of the week of His Majesty the King to the Casablanca SAMU run by Dr Mouhaoui may well provide an opportunity to establish PTC at the very highest level.

Future plans

There are promising plans afoot. The group from Marrakech had already been developing their own training facility and a new ambulance service. They have requested to be the first region to run the next PTC course, aimed at District Hospital staff in the Al Haouz region surrounding Marrakech. Dr Chris Lambert who remains in Morocco will be involved in this.

The new Moroccan instructors have also expressed a desire to be the PTC centre for French-speaking Africa. They are intending to translate the Instructor Manual into French and to update the translation of the MCQs. They talked of a Moroccan PTC website as a contact point for both healthcare workers and the general public.

They have yet to formally appoint a PTC committee, but we will encourage them to include members from each major centre and specialty.

Contents of PTC Instructors Course

The timetable and contents of the Instructor Course are summarised below.

Shirley taught about adult learning, and effective teaching technique. Several of the candidates commented to me on how helpful they found this material.

They were put to work in practical sessions on giving a talk, running a skill station and a discussion workshop, with feedback from us. We also gave them input on running a scenario. We continued to apply the principles with feedback on the following day as they taught the new participants for real. There was an inspiring talk by Roberto on his years of running PTC, and a hilarious play from Mike and Roberto about starting PTC in a new country.

PTC Instructor Course participants

Dr Redouane Rabii, Urologie
Dr Jaouad Adraoui, Viscéraliste
Dr Ouafaa Rabbai, Anésthésie-Réanimation
Dr Hicham Bahiri, Urgentiste
Dr Othmane Kettani, Traumatologie
Dr Ahlam Mossadaq, Anésthésie-Réanimation
Dr Ali Kettani, Anésthésie-Réanimation
Dr Zakariah Belkhadir, Anésthésie-Réanimation
Dr Hicham Nejmi, Anésthésie-Réanimation
Dr Rhassane El-Adib, Anésthésie-Réanimation



Instructor Course Participants

Second PTC Course

The new instructors went on to plan and run a very successful course for a group of the Resident doctors from Casablanca. They managed to include all of the key content of PTC into one long day session, including workshops, skill stations and scenarios. Their timekeeping, teamwork and enthusiasm were inspiring! It was pleasing to see the improvement that they had made in their teaching skills.

Note: the second PTC course led by newly trained Moroccan instructors is described in a separate report which Drs Hicham Bahiri and Mohammed Mahaoui are producing.

Observations and Recommendations for future visits

2 particular needs stand out from our initial contact with Morocco. Firstly, there is clearly a huge need for **trauma**



prevention, particularly in the area of road traffic accidents. We did not have time to discuss prevention strategies at length, but we hope that our new colleagues will apply themselves to this wider role. This would be a useful area to encourage in future.

Secondly there appears to be a great need to develop *pre-hospital care* in Morocco. We heard of many cases of trauma cases being brought to hospital lying prone with no oxygen, c-spine protection, monitoring or fluids. The inauguration this week of the Casablanca SAMU (a government funded medicalised ambulance service staffed by doctors) is an exciting initiative, and it is likely that this model will be reproduced in the other major centres. At present a large amount of the pre-hospital retrieval nationwide is done by the Protection Civile. This service has a fleet of modern vehicles and is run by firemen trained in retrieval. There would appear to be an excellent potential to train these fire personnel in the principles of PTC, adapted to their pre-hospital role. However this service comes under the Ministry of the Interior, running in parallel to the services provided to the Ministry of Health, and so may require a separate PTC initiative. Dr Chris Lambert will investigate this possibility. The involvement of PTC instructors with special interest in pre-hospital care would be invaluable.



Visit of HM the King of Morocco to SAMU Casablanca

Materials Provided

All candidates were provided with the French translation of the PTC manual (both paper and electronic), and the new instructors were also given a set of the French PTC slides. They also received an English Instructor manual.

Acknowledgements

As an Instructor team we would particularly like to thank our hosts, the Faculté de Médecine et Pharmacie, Casablanca for their generous hospitality, which included our very comfortable hotel, excellent food and transport throughout the week, including the use of their excellent teaching facilities, and lunches and refreshments for all course participants. But even beyond this they took time to take us on sightseeing trips to give us a taste of their unique and beautiful country. We leave feeling we have made lasting friendships, new members of the PTC family.

We are most grateful for the sponsorship of WFSA, who paid for Dr Roberto Lopez's travel from Paraguay.

Dr Chris Lambert
lamberts@vitalia.org

Appendix 1: First PTC Course timetable

Stage de Formation de PTC, Casablanca, lundi 13 octobre 2008

09.00 – 09.30	Introduction: Bienvenue + cérémonie d'ouverture	
09.30 – 09.45	Perspective locale	Mohamed Mouhaoui
09.45 – 10.30	Introduction au PTC et MCQ	Mike Dobson
10.30 – 11.00	ABCDE et évaluation primaire	Roberto Lopez
11.00 - 11.30	Thé	
11.30 - 11.45	Voies aériennes et respiration	Mike Dobson
11.45 - 12.00	Circulation et choc	Mike Dobson
12.00 - 13.00	Postes de techniques (2/3) - 1.Voie aérienne avancée - 2 Voie aérienne essential - 3.Drainage thoracique -4. Rachis	(TOUS) Mike Dobson Chris Lambert Roberto Lopez Mohammed Mouhaoui
13.00 - 14.00	Déjeuner	
14.00 - 14.30	Postes de techniques - continuation (1/3)	TOUS
14.30 - 15.00	Trauma thoracique	Roberto Lopez
15.00 - 15.30	Trauma abdominal	Chris Lambert
15.30 - 16.00	Thé	
16.00 - 17.15	Scénario démonstratif / Scénarios	TOUS
17.15 - 17.30	Sommaire de la journée	Roberto Lopez

mardi 14 octobre 2008

09.00 - 09.10	Introduction	Roberto Lopez
09.10 - 09.35	Trauma cranien & du rachis	Mike Dobson
09.35 - 10.00	Trauma en pédiatrie et de la femme enceinte	Chris Lambert /Mike Dobson
10.00 - 10.30	Evaluation secondaire	Roberto Lopez / Mike Dobson
10.30 - 10.50	Thé	
10.50 - 11.20	Trauma des membres & brulures	Roberto Lopez
11.20 - 13.00	Ateliers: (3/3) - Analgésie - Transportation - Evaluation neurologique	tous Mike Dobson Chris Lambert Roberto Lopez
13.00 - 14.00	Déjeuner	
14.00 - 14.20	Prise en charge des désastres	Mohamed Mouhaoui et Roberto Lopez
14.20 - 15.40	Scenarios	tous
15.40 - 16.00	MCQ	
16.00.- 16.20	Thé	

(évaluation des MCQ, choix d'instructeurs)

16.15 - 16.30

Retour d'expérience, les certificats

Appendix 2: 1 Day Instructor Course Timetable

09.00 - 09.10	Accueil et le message de bienvenue	Mike Dobson
09.10 - 09.25	Introduction aux buts et méthodes de la journée	Shirley Dobson
09.25 - 09.35	Vue d'ensemble de PTC	Mike Dobson
09.35 - 09.50	Formation en enseignement: les premiers pas	Shirley Dobson
9.50 - 11.00	<i>Atelier 1: Apprendre à enseigner – théorie et pratique</i>	Introduction: Roberto Lopez Groupes: RL, SD, MD, CL
11.00 - 11.20	THE	
11.20 - 11.30	Quelques idées pour un meilleur emploi des aides visuelles et l'environnement pédagogique	Roberto Lopez/Shirley Dobson
11.30 - 13.00	<i>Atelier 2: L'enseignement interactif - théorie et pratique</i>	Introduction: Shirley Dobson Groupes: RL, SD, MD, CL
13.00 - 13.45	DEJEUNER	
13.45 - 15.00	<i>Atelier 3: Comment enseigner une technique et organiser un carrousel d'activités – théorie et pratique</i>	Introduction: Mike Dobson, Chris Lambert Groupes: MD, CL, RL
15.00 - 15.15	Comment démarrer et développer un stage de PTC	Roberto Lopez. Mike Dobson
15.15 - 15.30	Quelques expériences personnelles de PTC	Roberto Lopez
15.30 - 15.40	Rédiger un rapport	Mike Dobson
15.40 - 16.00	THE	
16.00 - 16.20	L'intégration de PTC aux systèmes de traumatisme marocains: le début d'une stratégie	Mohammed Mouhaoui
16.20 - 16.30	Résumé et conclusions	Roberto Lopez
16.30 - 17.30	Planification pour demain	Les nouveaux instructeurs