

Primary Trauma Care Foundation / Mercy Ships



PRIMARY TRAUMA CARE AND INSTRUCTOR COURSES

1. OCTOBER 26TH - 30TH 2015

2. FEBRUARY 1ST - 5TH 2016

3. MARCH 25TH - 29TH 2016

HOTEL D'ANTANANARIVO, ANTANANARIVO, MADAGASCAR

At the invitation of “Mercy Ships”, three teams of PTC instructors travelled to Madagascar to provide mentorship and support to the Malagasy PTC committee for three separate PTC courses over a period of six months. This is the first time that Mercyships has been able to return to the same country for two consecutive missions. This provided a unique opportunity for their Medical Capacity Building team to not only introduce PTC into Madagascar but to help with its integration over the past year. More information can be found on the Mercyships website: <http://www.mercyships.ch/what-we-do/our-programmes/training-and-capacity-building.html>

The PTC courses were jointly organised by the Mercyships Medical Capacity Building Team and the Malagasy PTC committee. Each course consisted of a 2-day PTC course, a 1-day instructor course and a further 2-day PTC course taught by the new instructors. Over the duration of the three courses 124 participants were trained in PTC, of whom 36 went on to train as instructors. This takes the running total of PTC providers in Madagascar to 158 healthcare professionals of which 46 are trained instructors. All courses were conducted in a combination of French and Malagasy.

Trauma is a leading cause of premature death and disability in Madagascar as is the case in many developing countries. We were unfortunately reminded of this, and the crucial role that PTC plays in dealing with the trauma epidemic, on the final day of the April course when we heard that a minibus of 30 primary school children had crashed just outside Antananarivo.

International Faculty

October

Dr Jeanne Frossard (UK Consultant Anaesthetist)

Dr Mike Dobson (Course director, UK Consultant Anaesthetist)

February

Dr Lando Ruhangande (PTC instructor, COSECSA/PTC courses Organiser, Rwanda)

Dr Justin Bayisenga (PTC instructor and Surgeon, University of Rwanda)

April

Dr Caroline Price (UK Consultant Anaesthetist)

Dr Tarek Boutefnouchet (UK Orthopaedic Surgeon)

Mercyships Medical Capacity Building team

Dr Michelle White (Medical Director, Head of Education Program, MV AFM)

Krissy Close (Medical Capacity Building Manager)

Joan Kotze (Medical Capacity Course Coordinator)

Malagasy Instructors for April 2016 course

Prof Mpanjato (Professor of Anaesthesia, CHU Fianarantsoa Chairman of PTC Madagascar)

Dr Rijarisoa Rakotobe (Port Toamasina)

Dr Toky Razaraso Lapasoa Raharimanana (CHD Fénérive Est Toamasina)

Dr Hery Rabenarison (CHU HJRA)

Prof Nicole Rakotoarison (CHU HJRA)

Dr Hary Rabenatoandro (CHU HJRA)

Dr Cornell Rafolohanitrarivo (CHU HJRA)

Mme Nirina Ramavoarisoa (CHU HJRA)

Dr Patrik Randriamifidimanana (CHU HJRA)

Dr Tsarahita (Clinique Saint Georges Mampikony)

Dr Randriambahoaka Hariniaina Patrick (OMSI Toamasina)

Dr Franklin Rabenjarison (CHU HJRA)

Dr Nary Rabary (CHU HJRA)

Programme

The programme is attached in Annex 2. We followed the standard programme in the revised PTC teaching materials (2015).

Outcomes

In all courses there was a significant improvement in both knowledge (15-33%) and confidence of (45-84%), details can also be found in Annex 2.

The following were achieved:

1. Training in PTC of 124 Malagasy doctors
2. Training of 36 new Malagasy PTC instructors
3. Continuing development of a national PTC committee under the chairmanship of Prof Mpanjato
4. Plans in principle for further PTC courses in the various districts of Madagascar.
5. Continuation development of a modular PTC course, which has already been taught in Fianarantsoa.



Acknowledgements

As previously we were overwhelmed by the efficiency of Mercyship's administrative team, added to which we were incredibly impressed by the competence and teaching skills of the Malagasy instructors. The conference facilities at Hotel d'Antananarivo were excellent, the accommodation very comfortable.

We very impressed with the proficiency of the Malagasy PTC instructors. They have been very proactive and enthusiastic about adopting the PTC philosophy, and they will undoubtedly continue to expand on the work already done to date in Madagascar.

We are also very grateful to the Association of Anaesthetists of Great Britain and Ireland for their invaluable, financial support towards the travel expenses of the international faculty.

ANNEX 1

PTC Course statistics

Pre and post course outcomes:

	No of participants	MCQ score		Percentage Improvement	Confidence matrix		Percentage Improvement
		Pre-course	Post-course		Pre-course	Post-course	
Oct 1	22	66%	76%	15%	56%	86%	54%
Oct 2	19	51%	68%	33%	45%	83%	84%
Feb 1	19	65%	81%	25%	62%	88%	42%
Feb 2	23	62%	81%	30%	56%	83%	48%
Apr 1	21	62%	79%	27%	56%	85%	52%
Apr 2	20	57%	75%	32%	56%	81%	45%

Instructor Course

Names of instructors trained April 2016

N°	Candidate Name	PRENOM
	INSTRUCTEURS FORMES Avril 2016	
1	RANDRIAMBAHOAKA	Harinaitra Patrick
2	RASAMIMANANA	Rindraniaina
3	RAFANOMEZANTSOA	Toky
4	NDRIAMBITOGNY	Tovonosy Benjarivelo
5	ANDRIAMALALA	Nivisoa Clara
6	RANDRIANANDRASANA	Clarisse
7	RASAMIMANANA	N. Giannie
8	RAKOTOARIVELO	Robert Mickaël
9	TSARAHITA	Odilon
10	RAHARISOA	Emma
11	RAKOTOMAVO	Falihery
12	RANDRIAMIFIDIMANANA	S. Patric

ANNEX 2

Programme du stage de PTC

Lundi et Mardi, les 25 et 26 Avril

Journée 1		Directrice	Dr Toky
8.30	30'	Introduction/Bienvenue + MCQ	Dr Toky
9.00	15'	Perspective locale de trauma	Dr Hery
9.15	15'	Introduction au PTC	Dr Tarek
9.30	30'	ABCDE et évaluation primaire	Dr Rija
10.00	10'	PAUSE	
10.10	40'	Voies aériennes et respiration	Dr Rija/Dr Caroline
10.50	35'	Circulation et choc	Dr Franklin
11.25	35'	Trauma thoracique	Dr Cornell
12.00	45'	DEJEUNER	
12.45	4x20'	<i>Postes de techniques (chronometrage Mike)</i> <i>Voie aérienne essentielle</i> <i>Voie aérienne avancée</i> <i>Drainage thoracique</i> <i>Rachis</i>	Drs Rija/Caroline Drs Nicole Drs Hary/Tarek Drs Cornell
14.05	10'	PAUSE	
14.15	50'	Trauma abdominale, pelvienne & des membres	Dr Hery/Tarek/Rija
15.05	15'	Scénario démonstratif	Tous
15.20	80'	Scénarios (4 groupes) (Chronometrage Michelle) Groupes: Caroline, Lando, Mpanjato, Jeanne	Tous
16.40	5'	Résumé de la journée	Drs Cornell/Caroline

Journée 2		Animateur	Dr Toky
8.30	45'	Trauma crânien & du rachis	Dr Hery/Tarek
9.15	30'	Trauma en pédiatrie et de la femme enceinte	Dr Rija / Caroline
9.45	30'	Les brûlures	Pr Nicole
10.15	15'	PAUSE	
10.30	4x20'	<i>Ateliers (Chronometrage Jeanne)</i> <i>Analgesie</i> <i>Transportation du malade</i> <i>Trauma pédiatrique</i> <i>Evaluation neurologique</i>	Drs Cornel Dr Hary Dr Rija Dr Hery
12.00	30'	Evaluation secondaire	Dr Toky
12.30	40'	DEJEUNER	
13.10	50'	Prise en charge des catastrophes	Dr Cornel
14.00	80'	Scenarios (4 groupes, chronometrage Jeanne)	Tous
15.20	10'	PAUSE	
15.30	15'	Examen MCQ	Drs Rija/Hery
15.45	20'	Résumé, réactions & commentaires, évaluation	Dr Toky
16.10	30'	Certificats, fermeture	Tous