

## **Executive summary**

These courses were organised by PTC Guatemala because of the interest of Universidad Francisco Marroquín (Guatemala City) to become as a PTC training centre from now on. After initial conversations, finally we got the dates of 13<sup>rd</sup>, 14<sup>th</sup> and 15<sup>th</sup> of January 2017 for running these 2x1 courses. In spite of we would have wanted to run a 2x1x2 series, this couldn't be possible because of the multiple inconveniences with the duties and time of some people attending the courses, most of them students and teachers at Francisco Marroquín University. Finally, we got 9 new PTC Instructors who will be responsible for running courses at university in cooperation and under supervision of PTC Guatemala. At the same time, they will be able to support some PTC Guatemala courses outside the university.

## **Key staff involved in planning and co-ordinating**

Favio Reyna, MD, contacted Víctor Pineda, Head of PTC Guatemala, asking for the possibility to take PTC to Francisco Marroquín University, where he works actually as Instructor. Favio's idea was medical students at Marroquín University are able to take PTC course before they get their degree, so they could handle in a better way trauma patients once they were working as general physicians or doing a residence. As they got an agreement to run PTC courses at the university, Víctor Pineda asked me if we were ready to use the 2015-2016 materials and, if the answer was yes, if some of PTC LA instructors familiarized with the use of those new materials could join to Guatemala Instructors to deliver the courses. The answer in both cases was yes, so Alberto Laporte (PTC Chile) and me were invited to travel to Guatemala early on January 2017.

## **Professional aspects of the visit**

Once everything was arranged for running the courses, Marroquín University asked about the possibility of becoming a PTC training centre for its own students and for others not belonging to this university. After consultation with Mr Charles Clayton, PTC's CEO, we let them know it wouldn't be a problem as long as PTC Guatemala is aware of all the activities and they work together with the same goal: improve trauma care in the country following the PTCF's philosophy. So, they decided to run the courses at University facilities and invite a multidisciplinary team of medical instructors from the same university, and some others not belonging to this institution, to join the group of new instructors. Finally, we run this series of 2x1 courses at Marroquín University for training some medical students and physicians of several specialties in PTC, and the latter in teaching PTC courses.

## **Course participants**

For the 2 days PTC course we had **30** people registered

**20** medical students

**10** physicians: *1 general practitioner, 1 Internal Medicine, 2 Anaesthesiologists, 1 Paediatric Surgeon, 1 Emergency Medicine and 4 General Surgeons*

## **Course instructors**

Karla Navas, Anaesthesiologist, PTC Guatemala

Alberto Laporte, Anaesthesiologist, PTC Chile

Omar Pamech, Surgeon and ICU, PTC Guatemala

Víctor Pineda, Anaesthesiologist, PTC Guatemala

Juán Carlos Duarte, Anaesthesiologist, PTC Venezuela

## **Media coverage**

Nil

## Confirmation that the standard 2-day programme was delivered

Viernes 13 de Enero 2107			
8.30	30'	Bienvenida, presentaciones y pre-test	Dr. Pineda
9.00	15'	Perspectiva local del trauma	Dr. Pamech
9.15	15'	Visión general del PTC	Dr. Duarte
9.30	30'	ABCDE del trauma y Evaluación Primaria	Dr. Navas
10.00	10'	Receso	
10.10	40'	Vía aérea y Ventilación	Dr. Laporte
10.50	35'	Circulación y shock	Dr. Duarte
11.25	35'	Trauma torácico	Dr. Pamech
12.00	45'	ALMUERZO	
12.45	80'	<i>Estaciones de destreza</i>	
	(40')	<i>Vía aérea básica / avanzada</i>	Dr Navas
	(20')	<i>Inmovilización de columna cervical y movilización en bloque</i>	Dres. Pineda/Duarte
	(20')	<i>Drenajes torácicos</i>	Dres. Pamech/Laporte
14.05	10'	Receso	
14.15	50'	Trauma abdominal, pélvico y de extremidades	Dr. Duarte
15.05	15'	Escenario de demostración	Dr. Todos
15.20	70'	Escenarios de práctica (en grupos)	Dr. Todos
16.30	5'	Resumen y perspectiva general	Dr. Duarte
Sábado 14 de enero 2017			
8.30	45'	Trauma encéfalo-craneano y raquimedular	Dr. Pineda
9.15	30'	Trauma en los niños y el embarazo	Dr. Navas
9.45	30'	Quemaduras	Dr. Laporte
10.15	15'	Receso	
10.30	80'	Talleres: <i>Analgesia y transporte</i> <i>Trauma pediátrico</i> <i>Evaluación neurológica</i>	Dres. Laporte/Pamech Dr. Navas/Duarte Dr. Pineda
12.00	30'	Evaluación secundaria	Dr. Pineda
12.30	40'	ALMUERZO	
13.10	50'	Manejo de desastres	Dr. Duarte
14.00	80'	Escenarios (en grupos)	Todos
15.20	10'	Receso	
15.30	15'	Post-test	
15.45	20'	Resumen, retroalimentación y evaluación	Dr. Pineda
16.05	15'	Cierre y discusión/planificación del curso de instructores	Dr. Pineda
16.20		Certificados	

## Summary of MCQ & confidence matrix scores before and after the course

	MCQ	MCQ	CONFIDENCE MATRIX	CONFIDENCE MATRIX
	PRE	POST	PRE	POST
Medical students	73%	89%	46%	86%
Physicians	81%	89%	82%	95%

## Confirmation that the standard 1-day instructor course was delivered

Domingo 15 de enero 2017

8:00	15	Registro y llenado de los formatos de los Instructores en Entrenamiento	Duarte
8:15	15	Bienvenida. Introducción del día; nuestra filosofía educativa	Duarte
8:30	55	<b>SESION 1: Destrezas de comunicación</b>	
	15	Información Teórica	Laporte
	5	Explicar la retroalimentación	Laporte
	30	Taller Práctico	Todos
	5	Reflexión y Resumen	Laporte
9:25	80	<b>SESION 2: Enseñanza interactiva</b>	
	20	Información Teórica 1: Preguntas en conferencias	Duarte
	15	Taller Práctico	Todos
	5	Reflexión	Duarte
	15	Información Teórica 2: Talleres PTC	Laporte
	20	Taller Práctico	Todos
	5	Reflexión y resumen	Laporte
10:45	20	<b>Receso.</b>	
11:05	80	<b>SESION 3: Escenarios</b>	
	20	Información Teórica: Escenarios de Demostración	Duarte
	15	Escenario de Participantes	Duarte
	40	Taller práctico	Todos
	5	Reflexión y resumen	Duarte
12:25	45	<b>Receso para el Almuerzo</b>	
13:10	80	<b>SESIÓN 4: Estaciones de Destreza</b>	
	15	Información Teórica 1: Enseñar la Destreza (con demo)	Navas
	15	Información Teórica 2: Enseñar la estación de Destreza (con demo)	González
	5	Organización de las estaciones de destrezas	Navas
	40	Taller Práctico: Preparar y practicar la estación Actuar la Inmovilización en bloque	Todos
	5	Reflexión y resumen	González
14:30	35	<b>SESIÓN 5: Como hacer un Curso PTC</b>	

	15	En un nuevo lugar	Pineda
	15	Quién hace qué al día siguiente	Pineda
	5	Encargarse de la sala y la seguridad	Pineda
<b>15:05</b>	15	<b>Receso para bebidas</b>	
<b>15:20</b>	90	<b>SESIÓN 6: Diapositivas y Conferencias</b>	
	10	Información Teórica 1: usar diapositivas eficazmente	Duarte
	20	Estación de Trabajo: presentar con diapositivas en una laptop	Todos
	15	Información Teórica 2: preparar las conferencias de PTC	Laporte
	40	Presentaciones Finales	Todos
	5	Retroalimentación final y resumen	Duarte
	10	Matriz de Confidencia. Evaluaciones. Resumen del día. Certificados	Todos
<b>17:00</b>		<b>FIN</b>	Pineda

### **PTC Instructor course participants**

**09** people attended to PTC Instructor course:

Favio Reyna, General Practitioner  
 Gustavo Steiger, Internal Medicine  
 Sandra Izquierdo, Anaesthesiologist  
 Ana Lucía Lemus, Anaesthesiologist  
 Hector Santos, Paediatric Surgeon,  
 Anthony Dean, Emergency Medicine  
 Jorge Guillermo Puente, Surgeon  
 Sabrina Asturias, Surgeon  
 Danilo Torselli, Surgeon

### **PTC Faculty Training Team**

Karla Navas, PTC Guatemala  
 Alberto Laporte, PTC Chile  
 Víctor Pineda, PTC Guatemala  
 Juan Carlos Duarte, PTC Venezuela

### **Evaluation of the success and relevance of the visit**

These courses were a fantastic opportunity to realize that the main target of PTC in the country should be medical students. Having all students graduated by Marroquín University trained in PTC can make trauma care in the country improve in the long term as many others will be motivated to follow their footsteps. In the near future, we do believe others universities, or their student at least, will want copy this experience, making PTC an attractive brand for this big market. May this injection of “fresh blood” be the great drive PTC Guatemala needs to overcome the loss of trainers caused by the fatigue of so many courses during more than 10 years.

### **Observations and recommendations**

It will be very important for this new centre to work together with PTC Guatemala, following the same guidelines of PTCF. They will need communicate and work as a team to make sustainable this program in the long term. If they set as a target to train all Marroquín University medical students, and perhaps to other universities' students, they will get a lot of work, for which will need to every PTC Instructor in the country; so good communication and teamwork, under PTC Guatemala direction, will make easier this job.

### **Acknowledgments and thanks**

To Favio Reyna who worked hard since the very beginning for making his dream come true. To Víctor Pineda who was always available and supportive for everything about the organization and for running the courses. To Universidad Francisco Marroquín for believing in PTC, supporting Favio's efforts and taking charge of all expenses. Finally, thanks to CENTRO DE ALTA SIMULACION (High Fidelity Simulation Centre) of Marroquín university for making available its facilities and personal for running the courses.





PTC COURSE ATTENDINGS



NEW PTC INSTRUCTORS