



25th Primary Trauma Care Course, Apollo Hospital, Delhi, India

April 29-30th , 2010

Executive Summary

- A 15 member team of PTC instructors from Delhi
- 24 participants, consisting of senior, junior doctors and senior nursing staff from Delhi, Mumbai, Chennai, Kolkatta and Nepal were selected for the course.
- A two-day PTC course was run.



Purpose of the Course

- To introduce and teach the concepts and principles of PTC
- To identify members who would be suitable to join the team of instructors.

Background



- Every effort was made to learn from the experience of the previous courses and to maintain the appropriateness of this trauma course in accordance to the needs of the district hospitals of India.
- It was kept in mind that the level of course should not be an exhaustive exploration of clinical traumatology but to remain focused on the ABCDE of resuscitation.
- The format and contents of the lectures, trauma scenarios, small group discussions and the skill stations were kept realistic with the appropriate models and equipments.

Support involved in the Course

Trauma Care India comprising of faculty members of PTC Delhi, India organised the sessions. Auditorium, IT support and digital imaging facilities were provided by the Indraprastha Apollo Hospital, New Delhi.

Meals, refreshments and Tea were sponsored by different supporting organizations.



Manikins and most of the equipment were courtesy Indian Head Injury Foundation.

Ms Chitra and Ms Payal provided secretarial and transport assistance.

Manuals and other printed material including MCQs, Evaluation forms, Certificates, registration slips etc were arranged by them. Their role was most crucial and without their organizational skills, the program would not have materialized.



List of Faculty

<p>Dr. Rajendra Prasad Neurosurgery & Spine Surgery</p> <p>Dr Tarun Sahni Internal Medicine</p> <p>Dr. Arun Prasad General & Minimal Access Surgery</p> <p>Dr Kuldeep Singh Plastic Surgery</p> <p>Dr. Yatindra Kharbanda Orthopaedics</p> <p>Dr Vikram Mahajan Anesthesiology</p> <p>Dr. Anita S Bakshi Pediatric Intensive Care</p>	<p>Dr. Priya Singh Emergency Medicine</p> <p>Dr K Lalitha Anesthesiology</p> <p>Dr Vijay Kumar Anesthesiology</p> <p>Ms Deepa Shah US Embassy</p> <p>Ms Jane Potts US Embassy</p> <p>Ms Elizabeth Witt American Embassy School</p> <p>Dr. Shyam Sunder Neurosurgery</p> <p>Dr Yash Jhaveri Critical Care</p>	<p>Dr Sameer Bolia Anesthesiology</p> <p>Dr Amitabh Dutta Gastroenterology</p> <p>Dr Rakesh Garg Anesthesiology</p> <p>Dr Rakesh Mahajan Vascular Surgery</p> <p>Dr Sandeep Sindhu ENT</p> <p>Dr Havind Tandon Orthopedics</p> <p>Dr N Subramaniam Urology</p>
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Venue and Contents of the Primary Trauma Care Course

The venue in Apollo hospital was a comfortable, air-conditioned lecture hall, with excellent audiovisual aids like a digital projector, an overhead projector (not used) and a cordless microphone. The hall was large enough to accommodate all the participants.

The chairs were centrally placed facing the screen. There were 5 tables with chairs around them placed in the auditorium. One was used for secretarial work while other 4 were used as skill stations and scenario practice tables.

The subjects which were presented during the founding PTC course are outlined in the program. Course content was similar to what is advised in the PTC manual. The instructors used different styles of lecturing like PowerPoint, stage shows and group discussion.

Course Program

Day 2		
TIME	TOPIC	INSTRUCTOR
8 to 9:30 a.m.	Registration and Orientation	Dr. A. Rajesh, Dr. Vijay Kumar
9:30 to 9:45 a.m.	Administrative matters	Dr. A. Rajesh
TEA BREAK		
SKILLS STATIONS - II 30 mins each		
10 to 12 pm	Resuscitation & Venous Access	Dr. V. K. Rajesh, Dr. Nishank Gupta
	Fracture	Dr. V. Kharbouda, Dr. Rajendra Prasad
	First Aid	Dr. A. Rajesh, Dr. Vijay Kumar
	CPR	Dr. Vikram Mahajan, Dr. Rajesh Gupta
11 p.m.	Drugs	Dr. Kuldeep Singh
12:30 to 1 p.m.	### Trauma Scenario III ### (1 table in day 2)	Dr. Kuldeep Singh & Team
LUNCH		
SKILLS STATIONS - III 15 mins each		
1:30 to 2:30 pm	Airway Practice - Basic	Dr. A. Rajesh
	Airway Practice - Advanced	Dr. Rajendra Prasad
	SBQ's	Dr. Vijay Kumar
	Scenario Practice	Dr. Kuldeep Singh, Dr. Vijay Kumar
INSTRUCTORS ONLY		
TIME	TOPIC	FACULTY
2:30 - 2:45 pm	PTC Principles of How adult learn	Dr. Rajendra Prasad
2:45 - 2:55 pm	How to give a PTC Presentation	Dr. Arun Prasad
2 - 3:15 pm	Teaching a skill	Dr. V. Kharbouda
3:15 - 3:30 pm	How to make scenario operating - participant and instructor	Dr. Kuldeep Singh
	Make a presentation	Dr. Arun Prasad
3:30 to 4:30 pm	Teach a skill (collar & leg roll)	Dr. Rajendra Prasad
	Do a scenario	Dr. Kuldeep Singh
4:30 - 4:45	MCQ results and Feedback	Dr. Arun Prasad
4:45 pm -	CERTIFICATE DISTRIBUTION & GROUP PHOTOGRAPH	



Day 1		
TIME	TOPIC	FACULTY
8:30 am	Registration & Pre Course MCQ's	Mr. Rahul / Mr. Paval
9 am	PTC Introduction	Dr. Rajendra Prasad
9:15 am	Course Overview	Dr. Arun Prasad
9:45 a.m.	ABCDE (Primary & Sec. Survey)	Dr. Arun Prasad
10:00 a.m.	### Trauma Scenario I ###	All Faculty
TEA BREAK		
SKILLS STATIONS - I		
11:00 to 12:30 p.m.	Airway Management - (60 minutes)	Dr. Vikram Mahajan, Dr. Vijay Kumar
	C-Spine control, transport and Log Roll (20 minutes)	Dr. Shyam Sunder, Dr. Prita
	Chest Drain (30 minutes)	Dr. Arun Prasad, Dr. Viji Rajkumari
12:30	Airway and Breathing	Dr. Vijay Kumar
12:45	Circulation & shock	Dr. Vikram Mahajan
LUNCH BREAK		
1 to 1:30 p.m.	Chest injuries	Dr. Arun Prasad
1:30 to 1:50 p.m.	Limb injuries	Dr. V. Kharbouda
1:50 to 2:10 pm	### Trauma Scenario II###	Dr. Kuldeep Singh & team
2:10 to 3:40 p.m.	3 Tables - 20 mins each with 2 faculty at each table	
3:40 pm	Head and Spinal Injuries	Dr. Rajendra Prasad
3 pm	What did we learn today ?	Dr. Kuldeep Singh
4:15 pm	TEA BREAK	

33% time was spent on lectures (violet) and 67% on practical sessions (green)

Tea and food were served outside in a small attached hall. There were no ceremonies or rituals and time was fully utilized for learning with strict attendance & punctuality.



After an introductory session, we started with a Scenario enacted with mistakes. Discussion on this led to the Lecture on Primary and Secondary survey. This was followed by same scenarios repeated 3 times at various speeds & cuts.

Skill stations included basic and advanced airway management. Chest tube insertion in goat's chest, helmet removal, collar insertion, transport, fracture stabilization,

oxygen delivery, CPR, paediatric skills, venous access and suturing skills.



Other lectures included airways, circulation, burns etc. Head, spine, limb, chest, abdomen trauma were covered. There was an interactive sessions on Triage management during disasters which was new at this course.



Eight basic scenarios, burns, paediatric, trauma during pregnancy scenarios were done with participants role playing. Mock semi live practice scenario with all hardware was done on stage with audience participation.

Trainers' course included introduction to various aspects and also practice of organizing scenarios, teaching skills and giving feedback.

Notes on delivery of the Course and lessons learnt



We showed excellent time management. The delegates and faculty were punctual and stuck to time. The level of enthusiasm was very high on both sides.

Every one enjoyed the course thoroughly and all good things come to an end feeling was there at the time of certificate presentation.

As the course director I felt that despite the good feedback and applause there was still scope for improvement.

Teaching materials provided

Each member of the Foundation Course was presented with a copy of PTC Provider manual. Future faculty members were given a copy of the Trainers manual

Evaluation of the success and relevance of the course

Remarks made by the participants on the evaluation forms and during the evaluation session have been put in record. In general the course was much appreciated, however, as with most PTC courses, the participants would value more time for skills stations and practicing scenarios.

1. Instructors to talk slowly as delegates do not belong to their speciality
2. More hands on
3. More Scenario
4. Tour of Casualty
5. CPR details in manual outdated
6. Name Badges for all
7. Lecture of firearms injury
8. The lectures and practicals should merge into each other smoothly
9. Mobile phones to be switched off / muted during the course.
10. All faculty should be present at scenarios and at the feedback session.





RELATIVE STATUS OF LECTURES, SKILLS, SCENARIOS

Every one (all 24 !!) said scenarios were the best part of the course and wanted more and more of it to the extent that one person suggested to have this done at the Casualty in real life situation. Skill stations were interesting areas which stimulated participation and interaction. The triage scenario with 4 accident victims received the highest appreciation score in the feedback and is going to become a regular feature in all courses. Due to the relative popularity value of the above two, we have been striving hard to make the lectures interesting and interactive. It is understandable that they are not the most exciting part of the course.

Trainers' session had practice of how to conduct a course. There was a consolidated lecture that explained the journey so far and what it takes to be a trainer/ organizer. There were practice stations to give the new members an idea of conducting skill stations, scenarios and giving feedback.

Multiple Choice Questions

New MCQs have been made in the true false variety with negative marking. Pre course and post course MCQ were matching to reduce any difficulty skew. All questions were dealt with in the course.



Results of MCQ tests

SCORE ON DAY ONE (PRE COURSE) -- 12 / 35

SCORE ON DAY TWO (POST COURSE) – 25 / 35 (>100% increase !!)

well done PTC faculty

Course Delegates



Acknowledgements

I would like to thank the faculty members from Apollo Hospital, Fortis Hospital, RML Hospital, US Embassy and American Embassy School for taking time out of their busy schedule for the mission.



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NEXT COURSE

JUNE 10TH : NURSES COURSE
AND
JUNE 11TH: DISASTER MANAGEMENT