Executive Summary

- A seven members team of PTC instructors from Karachi arrived in Delhi in the afternoon of the 15th of September, 2005 in order to join Professor John Beavis from UK to run the 1st Primary Trauma Care three days Course in Apollo Hospital, Delhi. Professor Beavis arrived later in the early morning of the 16th September to join the rest of the team for the entire course.
- A joint pre-course strategy meeting took place between the Pakistani team and the organising committee of the Apollo Hospital on the occasion of the official dinner arranged by the Indian hosts at Noida Gymkhana.
- The Chairman of the PTC Sindh, Professor Rasheed Jooma and the Course Director, Dr Shariq Ali was briefed by Dr Rajendra Prasad, the Chief organiser, Dr Tarun Sahmi, Dr Arun Prasad, Dr Reddy and Dr Talat Halim about the selected 24 participants, consisting of surgeons and anaesthetists, not only from Apollo hospital, Delhi but also from various parts of India such as Paniput, Deradon and Patna, to follow the 3 day course, and to participate in the decision making about the implementation of PTC in the entire India. Various matters with regard to the inauguration session and logistics were also discussed.
- A two-day PTC founding course, followed by a one-day instructors’ course were run.
- The Inaugural session of the course was presided over by the Chief Minister of Delhi, Ms Shiela Dikhsit and the guest of honour was the Pakistani High Commissioner Mr Aziz Ahmad Khan.
- It was a comprehensive session around the important issue of trauma. Various experts on road safety, traffic engineering, highway police official, ambulance service provider NGO were amongst the invited speakers. The session was also attended by Ms. Anne Marie Moncure, The Managing Director of Indraprastha Apollo Hospital. This session provided an opportunity to highlight the importance of trauma care providers training in front of the members of the media and a wider audience.

Purpose of the Course

- To introduce and teach the concepts and principles of PTC to the consultants of the various institutions of Northern India.
• To extend the hand of friendship and collaboration and to discuss the establishment of an ongoing PTC program in India and Pakistan.
• To offer assistance and mutual co-operation to the PTC founding committee of India to implement such a program.

**Background**

The present course at Apollo was the result of a meeting between Professor Rashid Jooma, Dr Rajendra Prasad and Professor John Beavis at a neurosurgical conference in Karachi. In this meeting, it was principally agreed to organise this course. Professor Jooma, Professor Beavis and Dr Shariq Ali immediately sat together after this meeting to look into the practicalities and arrangements for the execution of this course.

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, small group discussions and the skill stations were kept realistic with the appropriate models and equipments.

A successful effort was made with the help of frequent communication through emails to convince the Indian hosts to recruit broad base multi-institutional and multi-disciplinary interest with appropriate number of anaesthetists and surgeons on board.

**Key staff involved in PTC Delhi September Course**

Prof. Rashid Jooma and Professor John Beavis were actively involved with the Course Director Dr Shariq Ali and other members of the team to organise this course. Dr. Rajendra Prasad, being both the Senior Neurosurgery Consultant at the Apollo Hospital and the Organising Secretary of this course, played a pivotal role to make this course a success. Dr Tarun Sahni, Dr Arun Prasad, Dr Talat Halim and Dr Reddy provided every possible support to make it a success. Manikins, some of the equipment, IT support, venue, meals, refreshments and digital imaging facilities were provided by the Indraprastha Apollo Hospital. Mr Rahul Raut provided secretarial and transport assistance. Manuals and other printed material including MCQs, Evaluation forms, Certificates, registration slips etc were arranged by the PTC Sindh.

Dr Shariq Ali, Director PTC Sindh, Prof. John Beavis and Professor Rashid Jooma, Chairperson PTC Sindh was once again the major force behind this course by providing the support for Pakistan faculty and technical planning and execution. Professor Beavis secured the funds for the flights through the IDEALS charity. He also took a very active part in the course, delivered the key and thought provoking lecture on Disaster management and conducted small group discussions during the course. Professor Rashid Jooma contributed greatly and was very actively involved in all aspects of the course. The support of both of these committed and able figures to the Course Director was immense and remarkable.

**Overall Timetable**

<table>
<thead>
<tr>
<th>Day</th>
<th>Event</th>
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<tbody>
<tr>
<td>Thursday 15th September</td>
<td>Arrival of PTC PK faculty in Delhi, A joint pre course strategy meeting with PTC Delhi team in Noida Gymkhana</td>
</tr>
<tr>
<td>Friday 16th September</td>
<td>Arrival of Prof. John Beavis and Inaugural session and 1st day of PTC foundation course. Introduction of PTC to key</td>
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</tbody>
</table>

PTC course Karachi, Pakistan November 2004
government and health officials, media and most senior specialists

Saturday 17th September 2nd Day of PTC Foundation Course.
Sunday 18th February PTC Instructors Course and formation of PTC Delhi Committee.
Monday 19th September Return flights to UK and Karachi

Although there were a large number of audience present during the inaugural session but twenty four registered senior doctors attended the three days of the Foundation PTC course and instructors’ course with great enthusiasm. There was a balanced mix of anaesthetists and surgeons of various specialties. These had been selected by the course organising secretary Dr Rajendra Prasad with the help of his committee. The names of the participants are listed in full below. All attended the three days of the course and agreed on a PTC founding committee amongst themselves at the end of the instructors’ course. Dr Rajendra Prasad is the Chairperson, He designated Dr Talat Halim as the PTC co-ordinator and included Dr Tarun Sahni, Dr Arun Prasad and Dr Suba Reddy as the committee members.

List of Participants

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PTC course Karachi, Pakistan November 2004
**Course Instructors**
The visiting instructors were:

- Professor John Beavis, University College London & Leonard Cheshire Institute for Conflict Recovery, UK
- Professor Rashid Jooma, Professor and Head, Neurosurgery Department at JPMC, Karachi, Pakistan.
  - Dr Shariq Ali, Asst. Dean & Consultant Plastic Surgeon, Ziauddin Medical University, Karachi, Pakistan.
- Dr Saeed Minhas, Asst. Professor & Consultant in Orthopedic Surgery, JPMC, Karachi, Pakistan.
- Dr Noor-ul-Haque, Asst. Professor and Consultant Anaesthetist, ASH, Karachi, Pakistan.
- Dr Inam Pal, Associate Professor of Surgery, AKUH, Karachi, Pakistan.
- Dr Rashid Punjwani, Consultant in Anaesthesia, AKUH, Karachi, Pakistan.
- Dr Bushra Shirazi, Asst. Professor and Consultant General Surgeon, ZMU, Karachi, Pakistan.

**Contents and Venue of the Foundation Primary Trauma Care Course**
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 and different audiovisual aids, like PowerPoint, whiteboard and group discussion.

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), a whiteboard and a cordless microphone. The hall was large enough to accommodate all the participants. Besides, we could make use of several spaces on the same floor for scenarios and workshops.

**Course Program**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0930-10:30</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>1015-1025</td>
<td>Welcome Address &amp; local Trauma perspective</td>
<td>Dr. Rajendra Prasad</td>
</tr>
<tr>
<td>1025-1035</td>
<td>PTC a global view</td>
<td>Prof. John Beavis</td>
</tr>
<tr>
<td>1035-1045</td>
<td>Faculty Introduction &amp; PTC in Pakistan</td>
<td>Prof. Rashid Jooma</td>
</tr>
<tr>
<td>1045-1055</td>
<td>Address by H.E. Abdul Aziz Khan (The High Commissioner for Pakistan)</td>
<td></td>
</tr>
<tr>
<td>1055-1105</td>
<td>Chief Guest Address and Lamp lighting: Hon. Chief Minister Delhi – Smt. Sheila Dikhsit</td>
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<tr>
<td>1115-1125</td>
<td>The role of police in trauma care – Mr. Qamar Ahmed IPS (Jt. Commissioner of Police Delhi Police)</td>
<td></td>
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<tr>
<td>1125-1135</td>
<td>The Government perspective: Mr. A. P. Bahadur (Chief Engineer)</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Topic</td>
<td>Speaker(s)</td>
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<tr>
<td>1135-1145</td>
<td>Trauma care &amp; traffic injury: A reality check - Prof. Dinesh Mohan (IIT Delhi)</td>
<td>Ministry of Shipping, Road Transport &amp; Highway - Government of India)</td>
</tr>
<tr>
<td>1145-1155</td>
<td>Emergency Services: What is ideal?</td>
<td>Dr. Talat Halim</td>
</tr>
<tr>
<td>1155-1205</td>
<td>Gujarat Experience</td>
<td>Dr. Subroto Das of Life Line Foundation. Baroda</td>
</tr>
<tr>
<td>1205-1215</td>
<td>Police in trauma care - Gujarat Experiment</td>
<td>Mr. Keshav Kumar IPS DIG Police Gujarat</td>
</tr>
<tr>
<td>1215-1225</td>
<td>PTC an effective system</td>
<td>Dr. Shariq Ali</td>
</tr>
<tr>
<td>1225-1235</td>
<td>Priorities in Trauma Care</td>
<td>Dr. Arun Prasad</td>
</tr>
<tr>
<td>1235-1240</td>
<td>Vote of Thanks</td>
<td>Dr. Tarun Sahni (Association of British Scholars)</td>
</tr>
<tr>
<td><strong>1240 to 1315</strong></td>
<td><strong>LUNCH BREAK</strong></td>
<td></td>
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<tr>
<td>1315-1330</td>
<td>Course Introduction &amp; ABCDE of Trauma</td>
<td>Dr. Shariq Ali</td>
</tr>
<tr>
<td>1330-1400</td>
<td>Demo Scenario and Q &amp; A</td>
<td>Dr. Shariq, Dr. Saeed, Dr. Bushra</td>
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<tr>
<td>1400 to 1430</td>
<td>Airway and Breathing</td>
<td>Dr. Rashid Punjwani</td>
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<tr>
<td>1430 to 1450</td>
<td>Circulation &amp; shock</td>
<td>Dr. Inam Pal</td>
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<tr>
<td>1450 to 1610</td>
<td><strong>SKILLS STATION</strong></td>
<td></td>
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<tr>
<td>1450 to 1610</td>
<td>1. Basic Airway</td>
<td>Dr. Shariq Ali/Prof. Jooma</td>
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<tr>
<td>1450 to 1610</td>
<td>2. Advanced Airway</td>
<td>Dr. Rashid Punjwani/ Dr Nur-ul-Haq</td>
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<tr>
<td>1450 to 1610</td>
<td>3. Chest Drain</td>
<td>Dr. Saeed Minhas/ Dr Inam Pal</td>
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<tr>
<td>1450 to 1610</td>
<td>4. C-Spine control and Log Roll</td>
<td>Dr. Bushra Shirazi/Prof Beavis</td>
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<tr>
<td>1610 to 1620</td>
<td><strong>TEA BREAK</strong></td>
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<tr>
<td>1620 to 1640</td>
<td>Secondary Survey</td>
<td>Dr. Bushra Shirazi</td>
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<tr>
<td>1640 to 1700</td>
<td>Chest Injuries</td>
<td>Prof. John Beavis</td>
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<tr>
<td>1700 to 1800</td>
<td>Primary Survey Scenarios</td>
<td>PTC Team</td>
</tr>
<tr>
<td>1800 to 1810</td>
<td>Overview and Summary</td>
<td>Prof. Jooma / Dr. Shariq Ali</td>
</tr>
<tr>
<td>TIME</td>
<td>TOPIC</td>
<td>INSTRUCTOR</td>
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<tr>
<td>0830 to 0900 Hrs.</td>
<td>Head and Spinal Injuries</td>
<td>Prof. Rashid Jooma</td>
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<tr>
<td>0900 to 0920 Hrs.</td>
<td>Limb injuries</td>
<td>Prof. John Beavis</td>
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<tr>
<td>0920 to 0940 Hrs.</td>
<td>Burns</td>
<td>Dr Shariq Ali</td>
</tr>
<tr>
<td>0940 to 1000 Hrs.</td>
<td>Abdominal injuries</td>
<td>Dr Inam Pal</td>
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<tr>
<td><strong>1000 to 1015 Hrs.</strong></td>
<td><strong>TEA BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>1015 to 1045 Hrs.</td>
<td>Disaster management</td>
<td>Prof. Beavis/ Prof. Jooma</td>
</tr>
<tr>
<td>1045 to 1225 Hrs.</td>
<td>WORKSHOPS</td>
<td></td>
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<tr>
<td></td>
<td>1. Analgesia</td>
<td>Dr. Nur-ul-Haq/Dr Punjwani</td>
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<tr>
<td></td>
<td>2. Safe Transportation in Trauma</td>
<td>Dr. Shariq Ali</td>
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<tr>
<td></td>
<td>3. Paediatric Trauma</td>
<td>Dr Bushra Shirazi</td>
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<tr>
<td></td>
<td>4. Trauma Registry</td>
<td>Dr Saeed Minhas</td>
</tr>
<tr>
<td><strong>1225 to 1245 Hrs.</strong></td>
<td><strong>LUNCH BREAK</strong></td>
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<tr>
<td>12:45 to 1315 Hrs.</td>
<td>Trauma in children and pregnant women</td>
<td>Dr. Bushra Shirazi</td>
</tr>
<tr>
<td>1315 to 1415 Hrs.</td>
<td>SKILLS STATIONS</td>
<td></td>
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<tr>
<td></td>
<td>1. Intraosseous Line</td>
<td>Dr Bushra Shirazi</td>
</tr>
<tr>
<td></td>
<td>2. Cricothyroidotomy in Paeds</td>
<td>Dr Saeed Minhas/Dr Inam Pal</td>
</tr>
<tr>
<td></td>
<td>3. Radiology of C- Spine</td>
<td>Dr Shariq Ali</td>
</tr>
<tr>
<td>1415 to 1445 Hrs.</td>
<td>MCQ's</td>
<td>PTC Team</td>
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<tr>
<td>1445 to 1545 Hrs.</td>
<td>Secondary Survey Scenarios</td>
<td>PTC Team</td>
</tr>
<tr>
<td>1545 to 1600 Hrs.</td>
<td>Summary and evaluation</td>
<td>Prof. John Beavis/ Prof. R. Jooma</td>
</tr>
</tbody>
</table>
Instructor course, Sunday 28th November
Following the 2 day PTC course all the participants proceeded to take part in the PTC instructor course, which was Directed and convened by Dr Shariq Ali. This used the recently finalised PTC instructor materials and a programme based on that in the Instructor manual, with presentations in the morning by Professor Rashid Jooma, Professor John Beavis, Dr Shariq Ali, Dr Inam Pal and Dr Bushra Shirazi. Following this the course split into four groups and did practical sessions ran by all presenters and Dr Saeed Minhas, Dr Noor-ul-Haque and Dr Rashid Punjwani, on giving a lecture, teaching a skill, leading a discussion group and running a scenario. The day finished with a feedback session and a brief formal feedback was given by Dr Arun Prasad. This was followed by a discussion on the practicalities of running further courses, during which an executive committee from among the Foundation Faculty was established.

After the course
The course was closed by Prof. Rashid Jooma, who thanked all the participants for their hard work and dedication. He thanked the faculty for their assistance in founding PTC in Delhi. Following
that the certificates were handed over to the participants by him and Prof. Beavis. Dr Rajendra Prasad, the Chairperson of the PTC Delhi, thanked the faculty from Pakistan and UK and shared his vision how he is going to expand the PTC to entire India. During this final meeting, we received several very enthusiastic remarks, and the general feeling amongst the participants was that PTC is a very good concept which deserves implementation throughout India.

Notes on delivery of the Course and lessons learnt

- Unfortunately we did not manage to run the first day of the foundation course with ample time at our command because of the unusually long inaugural session and late start. Some components of the course contents needed to be rushed, which is not desirable. Time keeping was also not up to the mark. Some speakers took longer than allocated time.
- However the doctors who attended the PTC course were of extremely high calibre and will take PTC forward in the entire India. In future it may be worthwhile exploring possibilities of collaboration between the Instructors of two countries to work together.
- Different presentation styles were used during the Foundation course and instructor day to provide modelling for future courses, many of which will be taught in locations without complex AV equipment.

Evaluation of the success and relevance of the visit

Remarks made by the participants on the evaluation forms and during the evaluation session can be found below. 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.

COMMENTS OF PTC COURSE

WHAT WAS THE BEST PART OF THE COURSE?

1. Workshop and skill station.
2. Scenario practice & workshops.
3. Deliberations by Prof. Dinesh Meher were an eye opener.
4. Scenarios
5. Making lectures interesting with jokes, pictures and keeping it short.
6. Good quality of interaction between the instructors and learners. A very positive approach.
7. skill station and workshops.
8. The interactive discussions are more interesting than the power point presentations.
10. Intelligent & enthusiastic instructors. Understanding concept by simple teaching (books are boring without lectures). Small skill station.
12. Besides MBBS doctors, super specialists must do this course to overcome tunnel vision.
13. My best part and fruitful part was to participate in the scenario participation. That made me to think now it was so different when you are in the hot seat! Lectures were very simple but equally informative and so easy to put into practice. Another good part of the course was about how to make good presentation and how to intersize on participants. Positively rather then negatively and which we do usually all the time!
WHAT WOULD YOU SUGGEST TO CHANGE?

1. Since PTC is for out of hospital and district level management, somethings with measures relevant to the principal e.g. simple measure may be added.

2. Day one had only 3 hours of PTC course!!
   Skill stations, demo scenarios were too rushed.
   Some lectures were too slow in places and exceeded time limits.
   Groups of 4 not 6 for skill stations (4 X 6 not 6 X 4)
   Grand stage scenario for each candidate at end with powerpoint.scenario on back ground.
   Inauguration, camps, candles etc on end of day 1 merging with banquet.
   DPL, # stabilization, C-spine with collar and skill station.
   Slide format very monotonous – more practical pictures in them.
   Clear aims and objectives.
   Algorithm guidelines.

3. More practical difficulties and their solutions can be added. How do you plan to implement & disseminate the knowledge may be more stressed.


5. Work rotations & discussion should be more and involve all. Some of us did not take very active part. You people tried your best.

6. There should be a clear demarcation of level of learning for ER doctor or awareness and might by the people at the site of accident/disaster. Identify clear groups beyond doctors, from the public, eg. Auto drivers, students etc in basic triage and transport.

7. Provide more & more reading material and if possible CD’s of lectures.

8. First day – lots of dignitaries – would be better to have an informal introduction – by the time you are comfortable its nearly over.

9. More workshops skill station’s along with scenario plans less of lectures.

10. Enact disaster management.

11. Long day – divided (working days). Books give before/week to study.

12. Need to take cultural context into account.

13. There is nothing to change. I think, some more time given in the skill station.

14. Workshops for trainers should be of medical topics or related one which you are likely to face in future courses. (other than scenario’s one which was a medicine one). I.V. cannulations should be added to skills station.

Multiple Choice Questions
During the first and then the last day of the PTC course the participants were asked to fill in the MCQ’s, which appear in the instructor’s manual. These were used for motivational purpose and self evaluation was encouraged.
**Media coverage**

Following is the text of the media coverage in India. In addition, substantial media coverage was provided by Daily Dawn and Jang, the local newspapers in Pakistan.

**Pakistani Doctors conduct Trauma Course for Indian Physicians**

NEW DELHI, Sept 18 (APP): Timely and competent medical care can significantly help save traffic fatalities with medical and road traffic safety experts, direly needed to respond to this challenge vigorously.

This was emphasized at the inauguration of a three-day Primary Trauma Care Workshop at the Apollo Hospital here in the national capital, being conducted by Pakistan's Trauma Care Group of Sindh.

The inaugural function was presided over by the Chief Minister, Delhi, Sheila Dikhsit, and Pakistan's High Commissioner to India, Aziz Ahmad Khan.

A seven-member team of doctors of the Primary Trauma Care Group of Sindh (Pakistan) along with an instructor from the UK, Prof. John Beavis, is conducting the course for a group of 25 physicians from Delhi and other parts of India. The seven-member visiting PTC team comprises of Professor Rashid Jooma, Chairperson Dr. Shariq Ali, Director Dr. Saeed Minhas of the Jinnah Postgraduate Medical Center, Dr. Inam Pal and Dr. Rashid Punjwani of the Aga Khan University Hospital, Dr. Nur ul Haq of the Abbasi Shaheed Hospital and Dr. Bushra Shirazi from the Ziauddin University Hospital.

The aim of the course is to train senior doctors in the systematic management of victims of trauma who would in turn, as the Delhi Chapter of Primary Trauma Care, run these courses for the physicians and paramedical staff of peripheral hospitals particularly those in the proximity of major roads.

The rapid motorization in the developing countries has in its wake brought about an epidemic of injuries and fatalities on the roads particularly in the subcontinent where 1 in 6 injured in a traffic accident dies compared to only one in 200 injured in the USA.

Of these traffic fatalities, up to a third could be saved by timely and competent medical care and the medical and road traffic safety experts must respond vigorously to this challenge, this was observed during the course.

Speaking on the occasion, Delhi Chief Minister, Sheila Dikhsit, expressed her gratitude to the team from Pakistan for coming to Delhi to initiate this training program of vital public interest.

She said the Indian Government had initiated work on two dedicated trauma centres and conveyed the commitment of the administration to work towards a Delhi based trauma system on trained personals deployed in specially equipped areas in all the metropolitan hospitals.

The workshop could contribute well to this scheme by providing the module on which the care providers could be trained, she said adding, work was being done to develop a Major Incident Plan for Delhi and suggested that experts from the two countries work together to devise Disaster Management Plans for the major hospitals that would also suit local circumstances.

Appreciating the growing interaction between physicians of India and Pakistan, Pak envoy Aziz Ahmad Khan welcomed the event having benefits for the poor patients and victims of trauma in both countries.

PTC course Karachi, Pakistan November 2004
Earlier, Professor Rashid Jooma, speaking on behalf of PTC Sindh said under the courses, initiated by the group with over 200 doctors, imparted training in Karachi and the district hospitals of Sindh. The Group had also traveled to Quetta and Lahore to assist the formation of Provincial chapters of Punjab and Baluchistan.

Besides the aims to extend this trauma training to the district hospitals they had plans to take a specifically devised training module for the Highway Police and other law enforcing personnel who were often the first to respond to injury-causing events, he added.

Primary Trauma Care was also working with the Government of Sindh to improve the training of the traffic police and the licensing procedures for drivers of commercial vehicles, said Dr. Jomma.

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**Teaching materials provided**

Each member of the Foundation Course were presented with a copy of PTC Provider and a copy of Instructors manual, these having been provided by PTC Sindh. One set of the PTC Foundation...
course slides and a set of the Instructor slides have been left with the PTC founding committee. Although the OHP’s were not used in teaching the course, the instructors were encouraged to use OHP’s as well, since the District hospitals will often not have facilities for PowerPoint.

**Accommodation and Social events**

All visiting instructors of the course stayed in the Indian Habitat Centre, this in itself was a great experience. This arrangement was fully sponsored and made possible by the Indian Host committee led by Dr Rajendra Prasad. Facilities were excellent and very impressive. All evenings were entertained with superbly organised dinners in the most reputable and appropriate places and the atmosphere and food was brilliant. On behalf of all the instructors, I would like to extend my thanks to our Indian hosts for their remarkable hospitality.

**Acknowledgements**

Once again, the first acknowledgement is to Professor John Beavis and his IDEALS Charity which undertook to fund the flights of the Instructors from Pakistan. It is good to know IDEALS is keen to support further development of the PTC program in Pakistan and India. Professor Rashid Jooma and Dr Rajendra Prasad were instrumental in facilitation of the program, and we are indebted to them. All the local arrangements were done by Dr Rajendra Prasad and his team, including Dr Tarun Sahni, Dr Arun Prasad, Dr Subha Reddy, Dr Talat Halim, and Mr Rahul Raut who did an outstanding job to make this course a success. We would like to thank Dr Rajendra Prasad and team for their great hospitality. We would like to express our gratitude to the staff of Indraprastha Apollo hospital for the catering and also for audiovisual support and transportation.

Finally I would like to thank my fellow instructors Dr Saeed Minhas, Dr Inam Pal, Dr Noor-ul-Haque, Dr Rashid Punjwani and Dr Bushra Shirazi for making all the necessary arrangements and for their invaluable input during the course. The course would not have been such a success if it were not for them.

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