Prince of Wales Hospital

All necessary specialties on site:
- ICU & Anaesthesia
- Surgery
- Orthopaedic surgery
- Neurosurgery
- Paediatric surgery
- Cardiothoracic surgery
- Burns & Plastic surgery
Trauma Team

Trauma Team Leader

- Nursing Team Leader
- Airway Nurse
- Procedure Nurse
- Circulation Nurse
- Surgical 2nd Call
- Surgical 1st Call
- ICU
- Orthopaedic
- Emergency Medicine Trainee
Trauma nurse coordinator

**Remit:**

- To educate staff of all disciplines on trauma management
- To provide a clinical leadership role in the trauma room and help overall coordination of cases
- To follow up trauma cases throughout the hospital
- To establish a trauma audit system through the creation of a trauma registry
Initial results

- Trauma system operational since December 2000
- 610 patients with ISS > 15 treated up to Jun 2005
- 30 patients per calendar month assessed and treated by the trauma system
- 87.4% of trauma patients admitted to ICU have an ISS > 15
- 83.7% of ICU admission had urgent surgery
Trend of W Score

Time

- Worst
- Best
- ED

HK trauma system 05
Acknowledgements

AADO: Asian Association for Dynamic Osteosynthesis
PWH: Prince of Wales Hospital, Hospital Authority
CUHK: The Chinese University of Hong Kong
Questions?

Thank You
Background

- Like most developed areas of the world, trauma is a major cause of death in Hong Kong, especially in the under 40 years age group.
- Until 1995, trauma was not considered a significant health care problem in Hong Kong.
- The Trunkey Report of 1994 suggested the development of a trauma system and the designation of trauma centres.
Trauma Centres

- Hong Kong is divided into ‘hospital clusters’
- 5 trauma centres in different clusters
- All of them are public hospitals
- 2 of them are university teaching hospitals
“Commitment is 90% of a trauma system, 10% is physical resources”
Current developments

- Primary trauma diversion has started from Nov 2003
- Preliminary results suggest:
  - Manageable impact on workload – 2 extra patients per week
  - Saving of 89 minutes from time of injury to definitive care
- Now being extended and further options are being considered
Prince of Wales Hospital

- Hub of the NTEC trauma system
- ~1200 beds in the hospital
- Major teaching hospital of CUHK
- Fully equipped trauma and emergency centre
- 24 hour emergency medicine specialist coverage