

Pre hospital trauma care & Transfer to definitive care

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Principle of Trauma Nursing Care

1. Pre hospital trauma care
2. Transfer to definitive care
3. In hospital trauma care

Pre-hospital trauma care

- Preparation
- Triage
- Primary Survey
- Resuscitation

Preparation

- “First Aid”
- Trauma Scene -> Emergency Unit
- Coordinate -> Emergency Medical Service System

Levels of Triage System

LEVEL	Color Coding
1. Immediate	Red
2. Delayed	Yellow
3. Minimal	Green
4. Expectant	Black

Primary survey

A : Airway maintenance and Cervical spine protection

B : Breathing and Ventilation

C : Circulation and Hemorrhage control

D : Disability and Neurologic status

E : Exposure and Environment control

Airway and Cervical spine protection

- Neck injury, Maxillofacial injury

Airway compromise

- Change in voice
- Sore throat
- Stridor(Airway obstruction)
- Tachypnea
- Agitation
- Abnormal breathing pattern
- Decrease level of consciousness,
- Decrease oxygen saturation

Cervical spine protection



Breathing and Ventilation

Emergency life threatening condition

- **Tension pneumothorax** : chest pain, tachypnea, air hunger, tracheal deviation, unilateral absence of breath sound, hypotension, neck vein distension
- **Open pneumothorax** : wound of chest wall, size $> 2/3$ in tracheal diameter
- **Flail chest & Pulmonary contusion**
- **Massive hemothorax**

Circulation and Hemorrhage control

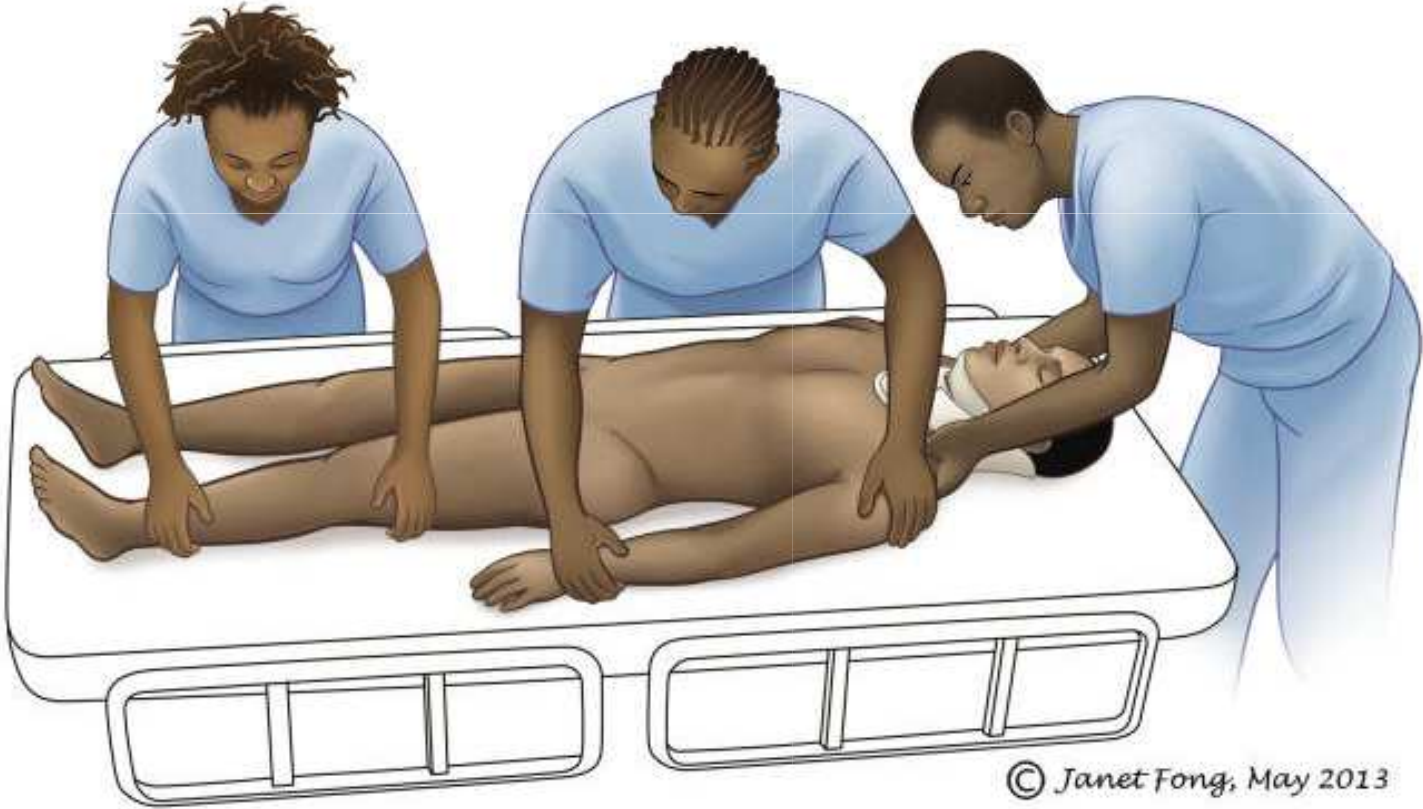
- Warm intravenous fluid resuscitation : Ringer's lactate solution via IV catheter No. 16-18 1-2 L
- Hemorrhagic control : Compression, Pelvic stabilization



Disability and Neurologic status

Domain	Response	Score
Eye opening	Spontaneous	4
	To speech	3
	To pain	2
	None	1
Best verbal response	Oriented	5
	Confused	4
	Inappropriate	3
	Incomprehensible	2
	None	1
Best motor response	Obeying	6
	Localizing	5
	Withdrawal	4
	Flexing	5
	Extending	3
	None	1
Total score	Deep coma or death	3
	Fully alert and oriented	15

Exposure and Environment control



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Transfer to definitive care

- ประเมินศักยภาพ
- ประสานงานและให้ข้อมูล
- สังเกตอาการระหว่างการเดินทาง
- ประเมิน ติดตาม และให้การดูแลจนถึงโรงพยาบาล

Evaluation : Transfer to definitive care

- Primary survey : A B C D E e.g. Airway, Breathing, Hemostasis, Splint/Slap, Intravenous Fluid

Patient information : AMPLE

- A : Allergies
- M : Medication currently used
- P : Past illness/Pregnancy
- L : Last meal
- E : Events/Environment related injury