



Trauma management

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WHAT IS TRAUMA?



- Y A serious injury to the body that maybe life-threatening
- Y Malaysia - mainly from MVA

STEPS IN MANAGEMENT

Pre - hospital

Triage

Hospital m(x) - ATLS



PRIMARY SURVEY

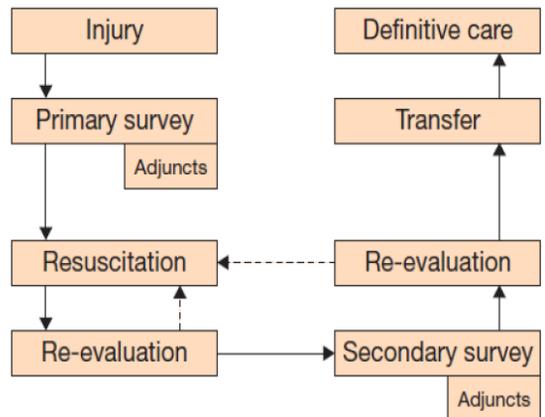
⌞ Rapid assessment and treatment of life-threatening injuries

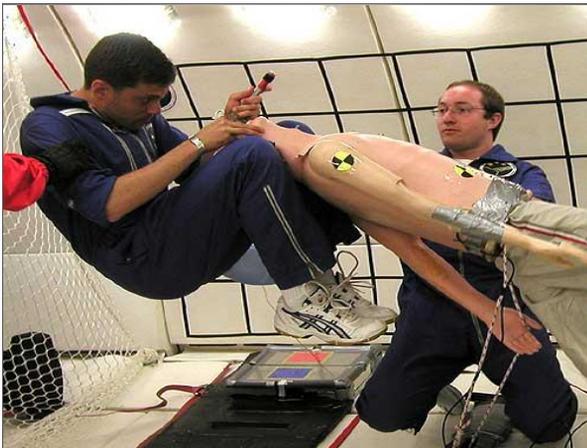
- A** • Airway (with c-spine)
- B** • Breathing
- C** • Circulation
- D** • Disability
- E** • Exposure



SECONDARY SURVEY

- ⌞ History
- ⌞ Complete physical examination
- ⌞ 'tubes and fingers in every orifice'
- ⌞ Neurological examination
- ⌞ Re-evaluation





MCQ 1

☛ How much blood loss is necessary to first show hypotension?

1. 10%
2. 20%
3. 25%
4. 30%
5. 40%



MCQ 1

☞ How much blood loss is necessary to first show hypotension?

1. 10%
2. 20%
3. 25%
4. 30%
5. **40%**

**MCQ 2**

☞ Which is incorrect of hemorrhagic shock?

1. Approx blood volume in 90 kg man is 6.3 L
2. Approx blood volume of 20 kg child is 1.6 L
3. Blood loss up to 15% in an adult will show no signs
4. Class 3 hemorrhage is loss of 30-40% blood loss and usually requires od transfusion
5. With a loss of 1500 ml of blood infusion of 3000 ml of crystalloid will be needed to normalize parameters

**MCQ 2**

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3. **Blood loss up to 15% in an adult will show no signs**
4. Class 3 hemorrhage is loss of 30-40% blood loss and usually requires od transfusion
5. With a loss of 1500 ml of blood infusion of 3000 ml of crystalloid will be needed to normalize parameters

**MCQ 3**

☞ Which of the following has not been associated with secondary brain injury??

1. Right ventricle
2. Left ventricle
3. Right atrium
4. Left atrium
5. Interventricular septum



MCQ 3

☞ Which of the following has not been associated with secondary brain injury??

1. Right ventricle
2. Left ventricle
3. Right atrium
4. **Left atrium**
5. Interventricular septum

**MCQ 4**

☞ Above which level will the patient be tetraplegic rather than paraplegic?

1. C7
2. C8
3. T1
4. T2
5. T3

**MCQ 4**

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1. C7
2. C8
3. T1
4. T2
5. **T3**

**MCQ 5**

☞ What % blood loss is required for majority of patients to present unconscious without pulse or BP?

1. 30%
2. 40%
3. 50%
4. 60%
5. 70%



MCQ 5

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1. 30%
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3. 50%
4. 60%
5. 70%

