Victorian State Trauma System
Inter-hospital Major Trauma Transfer

Does the trauma patient have abnormal vital signs meeting any of the VS criteria?

Y Yes
N No

Does the patient have specific injuries meeting potential major trauma criteria?

Y Yes
N No

Perform Complete Trauma Evaluation and observe for at least 2 hrs

Has there been deterioration?

Y Yes
N No

Perform appropriate assessment and observations

Provide required care, discharge and followup

Contact Adult Retrieval Victoria or PIPER within 60 minutes

Retrieval Service Case Assessment

Video / Telehealth Linkage Teleconference

Clinic consultation

Clinical Advice & Clinical Preparation for transfer or retrieval

Has patient condition deteriorated, interventions required, clinical instability?

Y Yes
N No

Notify ARV / PIPER

ARV / PIPER Coordinates transfer logistics and appropriate crew

Transport to a MTS (or appropriate destination)

Isolated Adult Spinal Cord Injury

Isolated Head Injury in the Elderly

Adult Burns

Paediatric

Isolated Spinal Cord Injury

MNS or MTS

Adult Burns Service Alfred Health

Royal Children’s Hospital

Adult Retrieval Victoria

Paediatric Infant Perinatal Emergency Retrieval

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Inter-hospital Vitals Signs Major Trauma Criteria

<table>
<thead>
<tr>
<th>Age</th>
<th>Term - 3 mths</th>
<th>4-12 mths</th>
<th>1-4 yrs</th>
<th>5-12 yrs</th>
<th>12+ yrs</th>
<th>Adult</th>
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<tbody>
<tr>
<td>HR</td>
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<td>&lt;90 or &gt;160</td>
<td>&lt;80 or &gt;140</td>
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</table>

Specific Injuries – Major Trauma

Blunt injuries:
- Serious injury to a single body region such that specialised care or intervention may be required, or such that life, limb or long term quality of life may be at risk
- Significant Injuries involving more than one body region

Specific Injuries:
- Limb amputations / limb threatening injuries
- Serious crush injury
- Major compound fracture or open dislocation
- Fracture to two or more of the following: femur / tibia / humerus
- Fractured pelvis

Spinal trauma:
- Significant spinal fracture
- Minor spinal cord or nerve root injury
- Presence of neurological deficits
- In isolated spinal cord trauma, the patient should be transferred from a primary hospital to the Victorian Spinal Cord Service at the Austin and Repatriation Medical Centre, paediatric patients should be transferred and managed at the Royal Children’s Hospital

Paediatric Trauma:
- Any of the above conditions when in children will initiate transfer

Obstetric Trauma:
- Evidence of foetal distress
- Foetus beyond 24 weeks gestation
- Possibility of trauma to the uterus
- All obstetric major trauma patients should be transferred to the Royal Melbourne Hospital where they will have urgent obstetric assessment

High Risk Criteria for Major Trauma

- Ejection from vehicle
- Motor / cyclist impact > 30 kph
- Fall from height > 3 m
- Struck on head by object falling > 3 m
- Explosion

- High speed MCA > 60 kph
- Pedestrian impact
- Age > 50 / Age < 10
- Pregnant
- Significant comorbidity

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