**TRAUMA TEAM LEADER COMPETENCY FRAMEWORK**

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| **Knowledge** | **Acquisition and assessment method (see note 2)** | **GMP domain** |
| Understand the pathophysiology and management of the following injuries:  traumatic brain injury, spinal injury, chest injury, abdominal injury, pelvic injury, long bone fractures, open fractures, traumatic amputation, burns | Knowledge of local clinical guidelines, and network clinical guidelines  Successful attendance at European Trauma Course (ETC) or Advanced Trauma Life Support (ATLS)  Simulation  E-learning | 1 |
| Understand the pathophysiology and management of the trauma patient in the following special circumstances: paediatric, elderly, pregnant, anticoagulated, | Local clinical guidelines.  Network clinical guidelines  ETC or ATLS  Simulation  Advanced Paediatric Life Support | 1 |
| Understand the steps of the Massive Haemorrhage Protocol (Code Red) in the management of a hypovolaemic trauma patient | Local clinical guidelines.  Simulation | 1 |
| Understand the appropriate use of different imaging modalities to diagnose adult & paediatric trauma patients | Local clinical guidelines  National clinical guidelines  Simulation |  |
| Understand the structure and referral process of patients within the local trauma network | Knowledge of network guidelines  Simulation | 1 |
| *Understand human factor principles and their relevance to effective clinical leadership of a multi-discliplinary team* | *Personal study, ETC, Simulation, elearning* | 1, 2, 3 |
| *Understand when & how to involve organ and tissue donation teams prior to initiation of discussion with relatives* | *Knowledge of local organ donation guidelines and contacts.* | 1 |
| *Knowledge of the role of emergency anaesthesia and its physiological impact on the trauma patient* |  | 1 |
| *Understand the principles of triage and prioritisation for multiple contemporaneous trauma patients* | HMIMMS, major incident training, local / regional mass casualty guidelines |  |
| **Skills** |  |  |
| Haemorrhage control with limb tourniquets, haemostatic agents, pelvic binders & femoral traction devices | Skills course, simulation | 1 |
| *Management of resuscitation using massive transfusion and a damage control approach* | *Simulation, audit* | 1 |
| Surgical cricothyroidotomy | Skills course, simulation | 1 |
| Thoracostomy and chest drain insertion | Skills course, simulation | 1 |
| FAST ultrasound (including e-FAST, vascular access) | Ultrasound course, logbook & triggered assessments | 1 |
| IO and central vascular access | Skills course, simulation | 1 |
| Resuscitative clam-shell thoracotomy (with basic cardiac wound control) | Skills course, simulation | 1 |
| *Recognition of the need for resuscitative hysterotomy* | Skills course, simulation | 1 |
| *Recognise futility and appropriately initiate palliative care* | *Simulation, audit* | 1 |
| **Behaviour** |  |  |
| Ability to communicate and collaborate to enable the safe transfer of patients from TU/LEH to MTC’s | Real time peer review, local MDT reviews, network reviews | 1, 2, 3, 4 |
| *Can effectively lead the trauma team from prehospital alert to delivery to definitive care* | Real time peer review, simulation | 1, 2, 3, 4 |
| *Can perform a structured team briefing (including role assignment, equipment checks and anticipation of likely team interventions based upon pre-hospital information).* | Real time peer review, simulation | 1,2,3,4 |
| *Can ensure the delivery of safe advanced airway management / emergency anaesthesia* | Real time peer review, simulation | 1, 2, 3, 4 |
| Can coordinate the care of a polytrauma patient requiring multiple specialty input | Real time peer review, simulation, local MDT reviews | 1, 2, 3, 4 |
| *Can deliver constructive feedback and lead short team debrief* | *Real time peer review, simulation, local MDT reviews* | 1, 2, 3, 4 |
| *Can coordinate the management of multiple trauma patients simultaneously utilizing available resources* | *Real time peer review, simulation, local MDT reviews* | 1,2,3,4 |

**Supporting Notes**

1. **This competency framework is designed for any clinician who provides the role of a Trauma Team Leader in the Emergency Department of a MTC, TU or LEH.**
2. **Competence may be demonstrated by one or more (not all) of the methods in column 2. Specifically a current ATLS / ETC / APLS certification is not a requirement as long as the TTL can demonstrate competency through other means.**
3. **A trauma team leader will be expected to be directly competent in all the skills outlined OR be able to identify when such interventions are required and have competent team members immediately available to perform the intervention.**