**Appendix**

Supplementary table 1: First Hour Quintet: Respiratory failure: Excluded diagnoses

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| **Excluded diagnoses** |
| Bacterial pneumonia |
| Acute bronchiolitis |
| Viral pneumonia |
| Bronchitis |
| Unspecified chronic bronchitis |
| Asthma |
| Adult respiratory distress syndrome |
| Respiratory failure, not elsewhere classified |
| Acute respiratory failure |
| Chronic respiratory failure |
| Respiratory failure, unspecified |
| Dyspnoea |
| Respiratory failure |

Supplementary table 2: First Hour Quintet: Respiratory failure: Selected diagnoses

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| **Selected diagnoses** |
| Pulmonary embolism |
| Heart failure and pulmonary oedema |
| Acute obstructive laryngitis and epiglottitis |
| Pneumothorax |

Supplementary table 3: Definition of High-energy trauma

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| **High-energy trauma** |
| *Mechanims* |
| * Fall from >5m |
| * Any traffic accident involving * Frontal impact more than 50-75 cm of indentation * Speed change > 30 km/h * Collision with a pedestrian/two-wheeler * Death of passenger * Occupant ejection * Need for rescue * Explosion |
| *Injuries* |
| * Instable thorax |
| * Any trauma patients intubated |
| * Penetrating neck/trunk injury |
| * Open head injury |
| * Pelvic fracture |
| * Suspected spinal cord injury |
| * Traumatic amputation proximal to the wrist or ankle |
| * Burns with Total Body Surface Area > 20% + trauma |
| * Open fracture |
| * Fractures of ≥ 2 proximal long bones |
| *Parameters* |
| * Systolic Blood Pressure < 90 mm Hg |
| * Respiratory Rate < 10 of > 30 per min |
| * Glasgow Coma Scale < 13 |
| *Others* |
| * > 65 years old with major thoracic, abdominal, pelvic or limb injuries |
| * < 16 years old with major thoracic, abdominal, pelvic or limb injuries |
| * > 24 weeks pregnant |
| * On request of the MUG doctor |
| * Any interhospital transport due to trauma |