**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
 |