Table S2. Patient demographic information.

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| --- | --- |
| **Characteristic** | **Value** |
| Total | 32 |
| Male:female ratio | 20:12 |
| Mean age | 49.7 |
| Trauma:acute care surgery ratio | 19:13 |
| Mean ICU stay length | 8.8 days (1 to 24 days) |
| Mean number of samples per patient | 10.8 |
| Percentage patients requiring surgery  Total surgical procedures performed   * Exploratory laparotomy * Wound debridement * Tracheostomy * Orthopedic procedure * Thoracotomy * Groin exploration | 88%  61  31  14  7  6  2  1 |
| APACHE II score mean | 12.6 (1 to 29) |
| ISS mean | 19.2 (4 to 36) |
| **Patients receiving antibiotic**:   * Full course of antibiotics * Peri-operative antibiotics * No antibiotics | 78.1% (25)  15.6% (5)  6.3% (2) |
| **Nosocomial infections**  Hospital-acquired pneumonia  Bacteremia | 25.0% (8)  3.1% (1) |
| **Proportion of patients with:**   * Orthopedic injuries * Rib fractures * Heart / lung trauma * Spleen injuries * Bowel injuries * Traumatic brain injuries * Liver injuries | 52%  42%  32%  16%  16%  16%  11% |
| **Mechanism of injury**   * Motor vehicle collision * Gunshot wound * Fall * Knife injury | 11  4  3  1 |
| **Acute care surgery diagnoses**   * Necrotic / perforated bowel * Gastric / duodenal perforation * Necrotizing soft tissue infection * Incarcerated hernia * Abscess / wounds * Enterocutaneous fistula | 3  3  2  2  2  1 |