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| **Supplemental Table Patient characteristics in J-OCTET** |
| 　 | **Poor outcomen = 164** | **Good outcomen = 632** | ***P* values** |
| Age, year  | 56 (36-72) | 59 (39-72) | 0.977  |
| Male, n (%) | 111 (68) | 478 (76) | 0.039  |
| Blunt trauma, n (%) | 162 (98) | 628 (99) | 0.439  |
| Anti-coagulant/platelet, n (%) | 9 (6) | 52 (8) | 0.240  |
| Prehospital infusion, n (%) | 23 (14) | 62 (10) | 0.119  |
| ISS | 30 (25-41) | 21 (17-26) | <0.001 |
| Head/neck AIS | 4 (2-4) | 4 (0-5) | 0.978  |
| Face AIS | 0 (0-0) | 0 (0-0) | 0.056  |
| Chest AIS | 3 (0-4) | 0 (0-3) | <0.001 |
| Abdomen AIS | 1 (0-3) | 0 (0-0) | <0.001 |
| Extremity/pelvic AIS | 2 (0-3) | 0 (0-2) | <0.001 |
| External AIS | 0 (0-1) | 0 (0-1) | 0.881  |
| Revised Trauma Score | 7.60 (4.09-7.11) | 7.84 (6.90-7.84) | <0.001 |
| Heart rate, /min | 103 (83-122) | 83 (72-94) | <0.001 |
| Systolic BP, mmHg | 113 (84-143) | 137 (114-159) | <0.001 |
| Respiratory rate, /min | 22 (18-29) | 20 (18-24) | <0.001 |
| Body temperature, °C | 36.0 (35.3-36.4) | 36.4 (35.8-36.8) | <0.001 |
| Glasgow coma scale | 9 (3-13) | 14 (11-15) | <0.001 |
| Time from accident to sample collection |  |  |
|  - 30 minutes, n (%) | 68 (42) | 163 (26) | 0.002  |
| 31 - 60 minutes, n (%) | 62 (38) | 292 (46) |
| 61 - 90 minutes, n (%) | 18 (11) | 85 (13) |
| 91minutes -, n (%) | 12 (7) | 78 (12) |
| Unknown, n (%) | 4 (2) | 14 (2) |
| Arterial blood gas analyses |  |  |  |
| pH | 7.346 (7.242-7.400) | 7.387 (7.344-7.422) | <0.001 |
| PaCO2, mmHg | 38.3 (32.3-44.9) | 39.3 (35.0-43.9) | 0.430  |
| Base deficit, mmol/L | 5.0 (2.2-9.5) | 1.2 (0.7-3.2) | <0.001 |
| Lactate, mmol/L | 4.1 (2.5-6.9) | 2.2 (1.4-3.3) | <0.001 |
| Laboratory tests |  |  |  |
| White blood cell, x109/L | 11.8 (8.5-16.6) | 10.4 (7.5-14.3) | 0.002  |
| Hemoglobin, g/dL | 11.7 (10.0-13.5) | 13.5 (12.0-14.6) | <0.001 |
| Platelet, x109/L | 184 (142-237) | 204 (166-253) | <0.001 |
| AST, U/L | 86 (49-205) | 39 (27-74) | <0.001 |
| ALT, U/L | 59 (31-121) | 29 (18-51) | <0.001 |
| LDH, U/L | 513 (337-820) | 319 (240-462) | <0.001 |
| CK, U/L | 361 (221-608) | 202 (131-345) | <0.001 |
| PT-INR | 1.15 (1.05-1.34) | 1.02 (0.97-1.10) | <0.001 |
| APTT, sec | 31.4 (26.4-39.2) | 25.3 (23.0-28.0) | <0.001 |
| Fibrinogen, mg/dL | 183 (137-309) | 244 (200-290) | <0.001 |
| D-dimer, mg/L | 62.8 (29.1-131.4) | 19.6 (6.8-44.6) | <0.001 |
|  ISS, injury severity score; AIS, abbreviated injury score; BP, blood pressure; AST, aspartate aminotransferase; ALT, alanine aminotransferase; LDH, lactate dehydrogenase; CK, creatine kinase; PT-INR, prothrombin time-International normalized ratio ; APTT, activated partial thromboplastin time. |