**Supplement Table 1. Characteristics of inpatients with AKI or not (mean±SD; n (%))\***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **non-AKI**  **(N=37190)** | **AKI** | | | | **P** |
| **Stage 1**  **(N=6265)** | **Stage 2**  **(N=497)** | **Stage 3**  **(N=155)** | **ALL**  **(N=6919)** |
| **Baseline Characteristics** |  |  |  |  |  |  |
| **Male** | 22066(59) | 3631(58) | 279(56) | 95(61) | 4005(58) | <0.05 |
| **Age(years)** | 58±15 | 60±16 | 61±14 | 64±12 | 60±16 | <0.05 |
| **BMI (kg/m2)** | 25±4 | 24±4 | 24±4 | 24±4 | 24±4 | <0.05 |
| **Hb (g/L)** | 129±21.6 | 120±25.1 | 118±25 | 120±24.9 | 120±25 | <0.05 |
| **WBC(×109/L)** | 6.9±3.1 | 8.5±4.4 | 8.4±4.2 | 8.9±4.5 | 8.5±4.3 | <0.05 |
| **PLT(×109/L)** | 230 ±71 | 222±77 | 220±87 | 215±88 | 222±86 | <0.05 |
| **AST** **(U/L)** | 29±68 | 68±225 | 91±232 | 107±212 | 70±226 | <0.05 |
| **ALT** **(U/L)** | 33±78 | 60±157 | 96±233 | 94±152 | 63±164 | <0.05 |
| **UA(μmol/L)** | 304±108 | 310±150 | 285±146 | 263±154 | 308±151 | <0.05 |
| **eGFR (ml/min)** | 103±27 | 101±44 | 101±35 | 98±34 | 101±43 | <0.05 |
|  |  |  |  |  |  |  |
| **NRS-2002 score** |  |  |  |  |  |  |
| **Nutrition Status** | 1.2±0.8 | 1.6±0.9 | 1.7±0.9 | 1.9±1 | 1.7±0.9 | <0.05 |
| **Disease Severity** | 1.4±0.8 | 2.1±1.1 | 2.2±1.1 | 2.5±1 | 2.2±1.1 | <0.05 |
| **Total score** | 2.5±1.1 | 3.2±1.6 | 3.2±1.7 | 3.4±1.8 | 3.2±1.6 | <0.05 |
|  |  |  |  |  |  |  |
| **Length of stay(days)** | 9.4±4.5 | 15.8±10.3 | 17.9±10.2 | 17.6±10.5 | 16±10.3 | <0.05 |
|  |  |  |  |  |  |  |
| **Comorbidities** |  |  |  |  |  |  |
| **CKD** | 872(2) | 667(11) | 46(9) | 30(19) | 743(11) | <0.05 |
| **DM** | 5527(15) | 1302(21) | 87(18) | 33(21) | 1422(21) | <0.05 |
| **HBp** | 11689(31) | 2441(39) | 173(35) | 63(41) | 2677(39) | <0.05 |
| **CHD** | 5570(15) | 1481(24) | 93(19) | 28(18) | 1602(23) | <0.05 |
| **Treatments** |  |  |  |  |  |  |
|  |  |  |  |  |  |
| **ACEI** | 1615(4) | 740(12) | 77(15) | 15(10) | 832(12) | <0.05 |
| **ARB** | 3972(11) | 1031(16) | 72(14) | 18(12) | 1121(16) | <0.05 |
| **CCB** | 7750(21) | 2290(37) | 164(33) | 38(25) | 2492(36) | <0.05 |
| **Antibiotic** | 22773(61) | 4685(75) | 392(79) | 133(86) | 5210(75) | <0.05 |
| **NASID** | 10662(29) | 1031(16) | 104(21) | 30(19) | 1165(17) | <0.05 |
| **PPI** | 32637(88) | 5167(82) | 439(88) | 138(89) | 5744(83) | <0.05 |
| **Operation** | 28031(75) | 3965(63) | 320(64) | 91(59) | 4376(63) | <0.05 |
|  |  |  |  |  |  |  |
| **Reason for admission** |  |  |  |  |  |  |
| **ICU** | 480(1.29) | 826(13) | 81(16) | 34(22) | 941(14) | <0.05 |
| **Head injury** | 266(0.72) | 153(2.44) | 11(2.21) | 7(4.52) | 171(2.47) | <0.05 |
| **Stroke** | 562(1.51) | 248(3.96) | 20(4.02) | 9(5.81) | 277(4) | <0.05 |
| **Major abdominal surgery** | 3129(8.41) | 1107(17) | 94(19) | 25(16) | 1226(18) | <0.05 |
| **Severe pneumonia** | 597(1.61) | 182(2.91) | 11(2.21) | 6(3.87) | 199(2.88) | <0.05 |
| **Malignant hematology** | 529(1.42) | 110(1.76) | 18(3.62) | 4(2.58) | 132(1.91) | <0.05 |
| **Oncology** | 13279(35) | 1553(24) | 160(32) | 77(50) | 1790(26) | <0.05 |
| **Hip fracture** | 171(0.46) | 19(0.3) | 0(0) | 0(0) | 19(0.27) | <0.05 |
| **Diabetes mellitus** | 5527(14) | 1302(20) | 87(18) | 33(21) | 1422(21) | <0.05 |
| **Chronic disease with acute**  **complications** | 347(0.93) | 134(2.14) | 8(1.61) | 6(3.87) | 148(2.14) | <0.05 |

\* BMI: Body Mass Index; ALB: albumin; LOS: Length of stay; WBC: White blood cell; Hb: hemoglobin; PLT: platelet; ALT: Alanine transaminase; AST: Aspartate aminotransferase; UA: uric acid; eGFR: estimated glomerular filtration rate; ICU: Intensive care unit; ACEI: Angiotensin-converting-enzyme inhibitors; ARB: Angiotensin II receptor blockers; CCB: calcium channel blockers; NSAIDs: Non-steroidal anti-inflammatory drugs; CKD: Chronic kidney disease; DM: Diabetes; HBp: hypertension; CHD: Coronary heart disease