**Table 3**: Outcomes and resource utilization of patients with and without anticoagulation use admitted to ICU with major bleeding. *Abbreviations:* ICU = Intensive Care Unit; IQR = Interquartile Range; MODS = Multi-Organ Dysfunction Score; NEMS = Nine Equivalents of Nursing Manpower Score;SD = Standard deviation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | **No Anticoagulant****(*n* = 1,262)** | **Anticoagulant Use****(*n* = 215)** | **Odds Ratio** **(95% CI)** | ***P* Value** |
| **In-Hospital Mortality, *n* (%)** | 390 (30.9) | 94 (43.7) | 1.74 (1.29-2.32) | <0.01 |
| **Withdrawal of Care Among Dead, *n* (%)** | 303 (77.7) | 88 (93.6) | 4.21 (1.81-9.20) | <0.001 |
| **Disposition of Survivors, *n* (%)** |  | <0.01 |
|  Home | 449 (51.5) | 46 (38.0) |  |  |
|  Long-Term Care Centre | 423 (48.5) | 75 (62.0) | 1.73 (1.18-2.57) |  |
| **ICU Length of Stay, days, median (IQR)** | 5 (2-11) | 4 (2-10) |  | 0.61 |
| **Hospital Length of Stay, days, median (IQR)** | 11 (4-25) | 10 (3-25) |  | 0.30 |
| **NEMS/day, mean (SD)** | 24.7 (7.6) | 23.9 (7.5) |  | 0.17 |
| **Readmission within 30 Days, *n* (%)** | 215 (24.7) | 36 (29.8) | 1.29 (0.85-1.95) | 0.22 |
| **Resource Utilization, n (%)** |
|  Invasive Mechanical Ventilation | 882 (69.9) | 135 (62.8) | 0.73 (0.54-1.97) | 0.04 |
|  Non-Invasive Mechanical Ventilation | 163 (12.9) | 22 (10.2) | 1.30 (0.81-2.09) | 0.28 |
|  Central Venous Line | 644 (51.0) | 94 (43.7) | 0.75 (0.56-0.99) | 0.05 |
|  Arterial Line | 852 (67.5) | 136 (63.3) | 0.83 (0.89-1.63) | 0.22 |
|  Renal Replacement Therapy | 64 (5.1) | 13 (6.0) | 1.21 (0.66-2.24) | 0.55 |
| **Duration of Resource Utilization, days, median (IQR)** |
|  Invasive Mechanical Ventilation | 3 (2-8) | 3 (2-6) |  | 0.11 |
|  Non-Invasive Mechanical Ventilation | 1 (1-2) | 1 (1-2) |  | 0.46 |
|  Central Venous Line | 5 (2-10) | 5 (2.8-8.3) |  | 0.87 |
|  Arterial Line | 4 (2-8) | 4 (2-6) |  | 0.12 |
|  Renal Replacement Therapy | 3 (1-8) | 2 (1-5.5) |  | 0.56 |
| **Interventional Radiology Procedure, *n* (%)** | 58 (4.6) | 11 (5.1) | 1.12 (0.59-2.16) | 0.11 |
| **Endoscopy, *n* (%)** | 168 (13.3) | 33 (15.3) | 1.18 (0.79-1.77) | 0.42 |
| **Tranexamic Acid, *n* (%)** | 157 (12.4) | 28 (13.0) | 1.05 (0.68-1.62) | 0.81 |
| **Transfusion, *n* (%)** | 672 (53.3) | 131 (60.9) | 1.37 (1.03-1.83) | 0.04 |
| **Transfusion Requirements** |
|  Packed Red Blood Cells, units, mean (SD) | 7.3 (8.5) | 5.8 (6.8) |  | <0.01 |
|  Platelets, units, mean (SD) | 1.3 (4.5) | 0.5 (1.2) |  | 0.05 |
|  Fresh Frozen Plasma, units, mean (SD) | 3.3 (6.0) | 2.9 (4.1) |  | 0.40 |
| **Reversal of Anticoagulation, *n* (%)** | - | 166 (77.2) |  |  |
| **Reversal Agents, *n* (%)** |
|  Vitamin K | - | 109 (50.7) |  |  |
|  Prothrombin Complex Concentrate | - | 113 (52.6) |  |  |
|  Protamine | - | 3 (1.4) |  |  |
|  Factor Eight Inhibitor Bypass Activity | - | 5 (2.3) |  |  |