Table 2: Multivariate Regression of Significant Covariates

|  | **Survival 6 months post CC** | | | **Cox Proportional Hazards Model** | | | **Return to ACT**  **(Yes= >1)** | | | **ECOG PS >2** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **OR**1 | **95% CI**1 | **p-value** | **HR**1 | **95% CI**1 | **p-value** | **OR**1 | **95% CI**1 | **p-value** | **OR**1 | **95% CI**1 | **p-value** |
| **Mechanical ventilation** |  |  |  |  |  |  |  |  |  |  |  |  |
| Invasive | — | — |  | — | — |  | — | — |  | — | — |  |
| NIV | 0.90 | 0.15 to 5.57 | 0.91 | 1.13 | 0.59 to 2.15 | 0.71 | 1.54 | 0.11 to 19.3 | 0.74 | 1.10 | 0.20 to 6.08 | 0.91 |
| No | 0.14 | 0.02 to 0.65 | **0.015** | 0.60 | 0.33 to 1.10 | 0.10 | 0.50 | 0.04 to 5.59 | 0.57 | 2.24 | 0.48 to 11.3 | 0.31 |
| **First GCS on CC admission** | 1.03 | 0.90 to 1.19 | 0.64 | 1.00 | 0.95 to 1.06 | 0.96 | 0.99 | 0.80 to 1.23 | 0.96 | 1.06 | 0.93 to 1.23 | 0.40 |
| **Final NEWS 2 score before CC admission** | 0.96 | 0.85 to 1.08 | 0.47 | 0.98 | 0.93 to 1.03 | 0.42 | 0.84 | 0.68 to 1.02 | 0.083 | 1.03 | 0.92 to 1.16 | 0.60 |
| **pH prior to CC admission** | 1.73 | 0.07 to 36.3 | 0.73 | 0.54 | 0.13 to 2.17 | 0.38 | 0.02 | 0.00 to 3.77 | 0.15 | 3.33 | 0.18 to 74.4 | 0.43 |
| **Final HR before CC admission** | 1.01 | 0.99 to 1.03 | 0.24 | 1.00 | 1.0 to 1.01 | 0.61 | 1.01 | 0.98 to 1.03 | 0.49 | 1.00 | 0.98 to 1.01 | 0.79 |
| **SAPS 2 Type of Admission** |  |  |  |  |  |  |  |  |  |  |  |  |
| Medical | — | — |  | — | — |  | — | — |  | — | — |  |
| Scheduled Surgical | 0.10 | 0.00 to 0.81 | 0.058 | 0.64 | 0.27 to 1.53 | 0.32 | 0.50 | 0.02 to 5.48 | 0.60 | 0.73 | 0.08 to 4.95 | 0.76 |
| Unscheduled Surgical | 0.56 | 0.24 to 1.32 | 0.19 | 0.82 | 0.57 to 1.18 | 0.29 | 0.46 | 0.12 to 1.62 | 0.23 | 1.36 | 0.59 to 3.16 | 0.47 |
| **ECOG PS on admission to hospital** | 1.23 | 0.89 to 1.74 | 0.22 | 1.09 | 0.96 to 1.25 | 0.19 | 2.81 | 1.70 to 5.08 | **<0.001** | 0.67 | 0.47 to 0.93 | **0.020** |
| **Bilirubin prior to CC admission** | 1.03 | 1.01 to 1.06 | **0.024** | 1.01 | 1.00 to 1.01 | **0.008** | 1.02 | 1.00 to 1.06 | 0.11 | 0.98 | 0.96 to 1.00 | 0.071 |
| **Urea prior to CC admission** | 1.08 | 1.02 to 1.16 | **0.021** | 1.03 | 1.01 to 1.06 | **0.012** | 0.95 | 0.86 to 1.03 | 0.25 | 0.95 | 0.89 to 1.01 | 0.11 |
| **WBC prior to CC admission** | 1.02 | 0.97 to 1.06 | 0.45 | 1.00 | 0.99 to 1.02 | 0.61 | 1.09 | 1.02 to 1.17 | **0.008** | 0.97 | 0.93 to 1.01 | 0.15 |
| **Charleson Comorbidity Index** | 1.16 | 0.99 to 1.38 | 0.073 | 1.08 | 1.00 to 1.16 | **0.047** | 1.59 | 1.21 to 2.16 | **0.002** | 1.02 | 0.87 to 1.19 | 0.81 |
| **Anticancer Therapy with 6 weeks** | 0.77 | 0.34 to 1.71 | 0.52 | 1.00 | 0.70 to 1.42 | >0.99 | 7.79 | 1.92 to 41.9 | **0.008** | 1.58 | 0.73 to 3.56 | 0.25 |
| 1OR = Odds Ratio, CI = Confidence Interval, HR = Hazard Ratio | | | | | | | | | | | | |