**Supplemental Table 1: Association between OSCAR-ECLS period and baseline characteristics using logistic regression models (univariable and multivariable).**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Model 0** | **Model 1** | **Model 2** |
|  | **OR (CI 95 %)** | **p-value** | **OR (CI 95 %)** | **p-value** | **OR (CI 95 %)** | **p-value** |
| **Demographics** |  |  |  |  |  |  |
| Age | 0.97 (0.92 - 1.03) | 0.33 | 1.05 (0.95 - 1.16) | 0.36 | 1.02 (0.92 - 1.13) | 0.70 |
| Male gender | NA | NA | NA | NA | NA | NA |
| History of cardiac diseases | 0.11 (0.03 - 0.47) | 0.003\* | 0.27 (0.03 - 2.44) | 0.24 | 0.04 (< 0.01 - 1.80) | 0.096 |
| History of diabetes | 0.87 (0.07 - 10.42) | 0.91 | 3.64 (0.21 - 61.98) | 0.37 | 8.70 (0.14 - 522.15) | 0.30 |
| History of hypertension | 5.91 (0.68 - 51.58) | 0.11 | 12.38 (0.64 - 239.02) | 0.096 | 71.75 (0.13 - > 999.99) | 0.19 |
| Obesity | 4.33 (0.49 - 38.55) | 0.19 | 0.61 (0.03 - 11.10) | 0.74 | 0.59 (0.03 - 11.02) | 0.73 |
| Current smoking status | 1.68 (0.30 - 9.34) | 0.55 | 7.90 (0.34 - 186.36) | 0.20 | 30.94 (0.07 - > 999.99) | 0.27 |
| **Cardiac arrest characteristics** |  |  |  |  |  |  |
| Location |  |  |  |  |  |  |
| Home | 0.52 (0.15 - 1.88) | 0.32 | 0.61 (0.07 - 5.00) | 0.65 | 2.00 (0.13 - 30.69) | 0.62 |
| Sport | 1.11 (0.19 - 6.56) | 0.91 | 0.34 (0.02 - 7.00) | 0.49 | 0.03 (< 0.01 - 2.48) | 0.12 |
| Work | 0.87 (0.07 - 10.42) | 0.91 | 1.01 (< 0.01 - 697.14) | 1.00 | 0.96 (< 0.01 - > 999.99) | 1.00 |
| Public area | 1.94 (0.50 - 7.53) | 0.34 | 2.65 (0.30 - 23.31) | 0.38 | 1.86 (0.15 - 22.39) | 0.62 |
| Initial Rhythm |  |  |  |  |  |  |
| Asystole | 3.64 (0.40 - 32.85) | 0.25 | 5.43 (0.02 - > 999.99) | 0.56 | 120.28 (< 0.01 - > 999.99) | 0.57 |
| PEA | NA | NA | NA | NA | NA | NA |
| VF | 0.23 (0.03 - 2.05) | 0.19 | 0.09 (< 0.01 - 10.71) | 0.32 | 0.01 (< 0.01 - > 999.99) | 0.52 |
| Defibrillation | 0.72 (0.13 - 4.12) | 0.71 | 0.14 (< 0.01 - 8.88) | 0.36 | 0.03 (< 0.01 - 139.08) | 0.42 |
| Epinephrine use | 0.88 (0.77 - 1.00) | 0.051 | 0.97 (0.81 - 1.18) | 0.78 | 1.03 (0.78 - 1.35) | 0.85 |
| Automated compression device use | NA | NA | NA | NA | NA | NA |
| **No and low flow times prior to catheterization laboratory** |  |  |  |  |  |  |
| No Flow (min) | 0.78 (0.60 - 1.01) | 0.059 | 0.69 (0.45 - 1.06) | 0.088 | 1.28 (0.71 - 2.30) | 0.41 |
| No Flow + Delay to hospital (min) | 0.91 (0.86 - 0.97) | 0.006\* | 0.99 (0.91 - 1.09) | 0.90 | 1.00 (0.91 - 1.10) | 0.96 |
| **Elapsed time to ECLS implantation (minutes)** |  |  |  |  |  |  |
| Time from collapse to call Emergency Dispatcher Centre | 0.53 (0.34 - 0.82) | 0.005\* | 0.34 (0.12 - 0.99) | 0.049\* | - | - |
| Time from call to arrival on site | 1.02 (0.91 - 1.13) | 0.76 | 0.88 (0.71 - 1.08) | 0.23 | 0.87 (0.66 - 1.14) | 0.31 |
| Time on site | 0.82 (0.73 - 0.92) | 0.0009\* | - | - | - | - |
| Transfer time | 0.88 (0.78 - 1.00) | 0.047\* | 0.82 (0.63 - 1.07) | 0.14 | 0.73 (0.49 - 1.08) | 0.11 |
| Time from hospital arrival to ECLS implantation | 1.00 (0.91 - 1.10) | 1.00 | 1.01 (0.80 - 1.26) | 0.94 | 1.16 (0.84 - 1.59) | 0.38 |
| Total time | 0.93 (0.88 - 0.98) | 0.007\* | 1.00 (0.91 - 1.09) | 0.93 | 1.02 (0.92 - 1.13) | 0.69 |
| **CPC** |  |  |  |  |  |  |
| 1 | 3.00 (0.33 - 27.60) | 0.33 | 7.20 (0.17 - 306.31) | 0.30 | 15.37 (0.03 - > 999.99) | 0.40 |
| 2 | NA | NA | NA | NA | NA | NA |
| 3 | NA | NA | NA | NA | NA | NA |
| 4 | NA | NA | NA | NA | NA | NA |
| 5 | 0.23 (0.03 - 2.05) | 0.19 | 0.12 (< 0.01 - 4.23) | 0.24 | 0.06 (< 0.01 - 29.78) | 0.38 |

OR: odds-ratio; CI: confidence interval; NA: not applicable.

\* p ≤ 0.05 significant results.

Model 0: univariable logistic regression.

Model 1: model adjusted on the time on site.

Model 2: model adjusted on the time on site and the time from collapse to call Emergency Dispatcher Centre.