Supplemental Data File

**Table A1**: Characteristics of ICU Care according to whether or not AF was detected clinically

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Overall** | **Patch detected AF and Clinical AF** | **Patch detected AF and No Clinical AF** | **P-value\*** |
| **N(%), Mean(SD)** | **Median (IQR)** | **N (%), Mean (SD)** | **Median (IQR)** | **N (%), Mean (SD)** | **Median (IQR)** |
| **Total Analyzed among Patch detected AF** | 44 |  | 30 |  | 14 |  |  |
| **Days of Invasive ventilation** | 44/ 4.8 (5.0) | 4 (0 - 9) | 30/ 5.6 (5.4) | 4.5 (0 - 10) | 14/ 3.1 (3.5) | 2 (0 - 6) | 0.166 |
| **Days in ICU** | 44/ 8.0 (4.6) | 7 (4 - 14) | 30/ 8.9 (4.5) | 8.5 (5 - 14) | 14/ 6.0 (4.3) | 5 (2 - 9) | 0.052 |
| **Days in Hospital** | 44/ 17.5 (10.7) | 14.5 (7 - 30) | 30/ 19.1 (10.4) | 17 (11 - 30) | 14/ 14.2 (10.9) | 10.5 (5 - 26) | 0.110 |
| **Days on vasopressors/inotropes** | 44/ 1.7 (2.2) | 1 (0 - 2) | 30/ 1.8 (2.4) | 1 (0 - 2) | 14/ 1.4 (1.9) | 1 (0 - 2) | 0.854 |
| **Days on patch monitoring** | 44/ 9.4 (4.3) | 11 (5.5 - 1) | 30/ 9.8 (4.0) | 11.5 (6 - 13) | 14/ 8.5 (5.0) | 9 (4 - 13) | 0.525 |
| **Days of telemetry monitoring** | 44/ 8.0 (4.7) | 7.5 (4.0 - 13) | 30/ 9.0 (4.6) | 10 (5 - 13) | 14/ 5.8 (4.4) | 4 (2 - 9) | 0.027 |
| **Invasive ventilation^** | 30 (68.2%) |  | 22 (73.3%) |  | 8 (57.1%) |  | 0.283 |
| **Dialysis at any point\*\*** | 6 (13.6%) |  | 6 (20.0%) |  | 0 (0.0%) |  | 0.072 |
| **Vasopressors/inotropes^** | 25 (56.8%) |  | 18 (60.0%) |  | 7 (50.0%) |  | 0.533 |
| **Peak high sensitivity Troponin (ng/mL)** | 43/ 1791 (6166) | 69 (21 - 255) | 30/ 1926 (7083) | 47.5 (20 - 190) | 13/ 1477 (3416) | 84 (30 - 365) | 0.284 |
| **Clinical AF detected** | 30 ( 68.2%) |  | 30 (100.0%) |  | 0 (0.0%) |  | <0.001 |

^ At any point during the study

% is out of Total Analyzed

\* P-value: for the categorical variables, Chi-square test or Fisher’s exact test is used; for the continuous variables, Wilcoxon Rank sum test is used.