**Supplemental information for** Opinion: On the importance of maintaining the functional form of explanatory variables

|  |  |
| --- | --- |
| **Variable**  | **Final** **multivariable model** |
| **Odds ratio (95% CI)** | **P** |
|  **Model 1 PPCC as continuous variable**  |
| Peak percentage creatinine change (%) per unit change | 1.009 (1.002 – 1.017) | 0.009 |
| Cardiopulmonary bypass (per minute) | 1.010 (1.004 - 1.017) | 0.001 |
| ECMO | 4.88 (1.94 – 12.21) | 0.001 |
| Cardiac arrest | 6.37 (2.37 – 17.1) | <0.001 |
|  **Model 2 PPCC as categorical variable** |
| KDIGO criteria  |  |  |
|  Normal | Reference | - |
|  Stage 1 | 2.04 (0.71 – 5.87) | 0.18 |
|  Stage 2 | 2.43 (0.66 – 8.89) | 0.18 |
|  Stage 3 | 6.31 (0.80 – 49.67) | 0.08 |
| Cardiopulmonary bypass (per minute) | 1.010 (1.004 – 1.017) | 0.001 |
| ECMO | 4.65 (1.87 – 11.58) | 0.001 |
| Cardiac arrest | 6.11 (2.28 – 16.38) | <0.001 |

AKI, Acute Kidney Injury; ECMO, extracorporeal membrane oxygenation; KDIGO, Kidney Diseases Improving Global Outcomes criteria