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| **Supplementary Table 1.** Risk factors for AKI |
| **AKI** | **Univariate analysis** |  |  **Multivariate analysis** |
| **Odd ratio** | **95% CI** | **P value** | **Odd ratio** | **95% CI** | **P value** |
| Age | 1.022 | 0.997-1.047 | 0.088 |  | 1.015 | 0.987-1.043 | 0.304 |
| Male | 0.909 | 0.522-1.582 | 0.735 |  | 0.845 | 0.470-1.517 | 0.573 |
| Baseline eGFR | 0.991 | 0.982-1.000 | **0.044** |  | 0.993 | 0.984-1.001 | 0.101 |
| Hypertension | 1.641 | 0.972-2.773 | 0.064 |  | 1.218 | 0.670-2.216 | 0.518 |
| NSAIDs | 2.703 | 1.457-5.015 | **0.002** |  | 2.801 | 1.487-5.273 | **0.001** |
| RAASis | 2.300 | 1.276-4.144 | **0.006** |  | 1.806 | 0.931-3.500 | 0.080 |
| PPIs | 1.518 | 0.630-3.659 | 0.352 |  |  |  |  |
| AKI, acute kidney injury; eGFR, estimated glomerular filtration rate; irAEs, immune-related adverse events; NSAIDs, nonsteroidal anti-inflammatory drugs; RAASis, renin-angiotensin-aldosterone system inhibitors. |

**.** Risk factors for AKI |
| **AKI** | **Univariate analysis** |  |  **Multivariate analysis** |
| **Odd ratio** | **95% CI** | **P value** | **Odd ratio** | **95% CI** | **P value** |
| Age | 1.022 | 0.997-1.047 | 0.088 |  | 1.015 | 0.987-1.043 | 0.304 |
| Male | 0.909 | 0.522-1.582 | 0.735 |  | 0.845 | 0.470-1.517 | 0.573 |
| Baseline eGFR | 0.991 | 0.982-1.000 | **0.044** |  | 0.993 | 0.984-1.001 | 0.101 |
| Hypertension | 1.641 | 0.972-2.773 | 0.064 |  | 1.218 | 0.670-2.216 | 0.518 |
| NSAIDs | 2.703 | 1.457-5.015 | **0.002** |  | 2.801 | 1.487-5.273 | **0.001** |
| RAASis | 2.300 | 1.276-4.144 | **0.006** |  | 1.806 | 0.931-3.500 | 0.080 |
| PPIs | 1.518 | 0.630-3.659 | 0.352 |  | 1.072 | 0.425-2.701 | 0.883 |
| Extra-renal irAEs | 2.128 | 1.184-3.825 | 0.012 |  | 2.028 | 1.099-3.740 | **0.024** |
| AKI, acute kidney injury; eGFR, estimated glomerular filtration rate; irAEs, immune-related adverse events; NSAIDs, nonsteroidal anti-inflammatory drugs; RAASis, renin-angiotensin-aldosterone system inhibitors. |