**Table 2: Multivariate Analysis of Postoperative Complications and Infections Among TJA Patients**

|  |  |  |
| --- | --- | --- |
|  | Complications | Infection |
| Characteristic  | Adjusted Odds Ratio (95% CI) | p value | Adjusted Odds Ratio (95% CI) | p value |
| Age  | 1.020 (1.018, 1.023) | **<0.001\*** | 0.992 (0.988, 0.997) | **0.001** |
| Gender  |  |  |  |  |
| Female | Reference | --- | Reference | --- |
| Male | 1.013 (0.966, 1.062) | 0.607 | 1.126 (1.031, 1.229) | **0.009** |
| BMI (kg/m2) |  |  |  |  |
| <40 | Reference | --- | Reference | --- |
| ≥40 | 1.246 (1.165, 1.332) | **<0.001** | 1.815 (1.624, 2.028) | **<0.001** |
| Smoking | 1.307 (1.214, 1.408) | **<0.001** | 1.584 (1.405, 1.785) | **<0.001** |
| ASA Class |  |  |  |  |
| 1 | Reference | --- | Reference | --- |
| 2 | 1.323 (1.050, 1.667) | 0.154 | 2.045 (1.244, 3.363) | **0.005** |
| 3 | 2.041 (1.620, 2.572) | **<0.001** | 3.263 (1.983, 5.369) | **<0.001** |
| 4 | 3.863 (2.998, 4.978) | **<0.001** | 4.442 (2.577, 7.658) | **<0.001** |
| Diabetes and Malnourishment Co-occurrence |  |  |  |  |
| No DM, Albumin ≥3.5 | Reference | --- | Reference | --- |
| No DM, Albumin <3.5 | 1.780 (1.619, 1.957) | **<0.001** | 1.662 (1.387, 1.991) | **<0.001** |
| NIDDM, Albumin ≥3.5 | 1.066 (0.995, 1.144) | 0.070 | 1.109 (0.975, 1.261) | 0.116 |
| NIDDM, Albumin <3.5 | 1.934 (1.554, 2.405) | **<0.001** | 1.792 (1.188, 2.701) | **0.005** |
| IDDM, Albumin ≥3.5 | 1.371 (1.237, 1.520) | **<0.001** | 1.102 (0.896, 1.356) | 0.357 |
| IDDM, Albumin <3.5 | 2.081 (1.652, 2.621) | **<0.001** | 1.894 (1.231, 2.913) | **0.004** |
| \*Bold type indicates statistical significance, p<0.05 |