**Table 1: Univariate Analysis of Postoperative Complications and Infections Among TJA Patients**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Complications | | Infection | |
| Characteristic | N (%) | p value | N (%) | p value |
| Gender |  | |  | |
| Female (N=120,211) | 4,538 (3.8%) | 0.713 | 1,179 (1.0%) | **0.005\*** |
| Male (N=83,066) | 3,109 (3.7%) | 921 (1.1%) |
| BMI (kg/m2) |  | |  | |
| <40 (N=177,383) | 6,401 (3.6%) | **<0.001** | 1,610 (0.9%) | **<0.001** |
| ≥40 (N=25,894) | 1,246 (4.8%) | 490 (1.9%) |
| Procedure |  | |  | |
| THA (78,656) | 2,929 (3.7%) | 0.480 | 956 (1.2%) | **<0.001** |
| TKA (124,621) | 4,718 (3.8%) | 1,144 (0.9%) |
| Smoking |  | |  | |
| No (N=182,136) | 6,736 (3.7%) | **<0.001** | 1,736 (1.0%) | **<0.001** |
| Yes (N=21,141) | 911 (4.3%) | 364 (1.7%) |
| ASA Class |  | |  | |
| 1 (N=4,255) | 76 (1.8%) | **<0.001** | 16 (0.4%) | **<0.001** |
| 2 (N=100,186) | 2,713 (2.7%) | 743 (0.7%) |
| 3 (N=94,855) | 4,468 (4.7%) | 1,260 (1.3%) |
| 4 (N=3,981) | 390 (9.8%) | 81 (2.0%) |
| Diabetes |  | |  | |
| None (N=169,716) | 6,024 (3.5%) | **<0.001** | 1,661 (1.0%) | **<0.001** |
| Noninsulin-dependent (N=25,201) | 1,109 (4.4%) | 317 (1.3%) |
| Insulin-dependent (N=8,360) | 514 (6.1%) | 122 (1.5%) |
| Albumin |  | |  | |
| ≥3.5 (N=194,139) | 6,952 (3.6%) | **<0.001** | 1,920 (1.0%) | **<0.001** |
| <3.5 (N=9,138) | 695 (7.6%) | 180 (2.0%) |
| Diabetes and Malnourishment Co-occurrence |  | |  | |
| No DM, Albumin ≥3.5 (N=162,534) | 5,503 (3.4%) | **<0.001** | 1,527 (0.9%) | **<0.001** |
| No DM, Albumin <3.5 (N=7,182) | 521 (7.3%) | 134 (1.9%) |
| NIDDM, Albumin ≥3.5 (N=24,115) | 1,018 (4.2%) | 293 (1.2%) |
| NIDDM, Albumin <3.5 (N=1,086) | 91 (8.4%) | 24 (2.2%) |
| IDDM, Albumin ≥3.5 (N=7,490) | 431 (5.8%) | 100 (1.3%) |
| IDDM, Albumin <3.5 (N=870) | 83 (9.5%) | 22 (2.5%) |
| \*Bold type indicates statistical significance, p<0.05 | | | | |