|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | **Overall,**  N = 5,076 | **Robotic-assisted radical cystectomy,**  N = 1,876 (37%) | **Open**  **radical cystectomy,**  N = 3,200 (63%) | **P-Value** |
| Overall complication  n (%) | 3,359 (66%) | 1,199 (64%) | 2,160 (68%) | 0.009 |
|  |  |  |  |  |
| Intraoperative  n (%) | 117 (2%) | 28 (2%) | 89 (3%) | 0.003 |
| Bowel obstruction  n (%) | 1,064 (21%) | 367 (20%) | 697 (22%) | 0.061 |
| Transfusion  n (%) | 657 (13%) | 152 (8.1%) | 505 (16%) | <0.001 |
| Wound  n (%) | 431 (9%) | 120 (6%) | 311 (10%) | <0.001 |
| Cerebro-vascular  n (%) | 284 (6%) | 99 (5%) | 185 (6%) | 0.5 |
| Gastro-intestinal  n (%) | 788 (16%) | 329 (18%) | 459 (14%) | 0.002 |
| Cardiac  n (%) | 910 (18%) | 308 (16%) | 602 (19%) | 0.03 |
| Pulmonary  n (%) | 430 (9%) | 121 (6%) | 309 (10%) | <0.001 |
| Genito-urinary  n (%) | 447 (9%) | 148 (8%) | 299 (9%) | 0.078 |
| Other medical  n (%) | 1,955 (39%) | 685 (37%) | 1,270 (40%) | 0.03 |
|  |  |  |  |  |
| In-hospital mortality,  n (%) | 74 (2%) | 19 (1%) | 55 (2%) | 0.04 |
|  |  |  |  |  |
| Length of stay,  Median (IQR) | 7 (5, 9) | 6 (5, 8) | 7 (5, 10) | <0.001 |
|  |  |  |  |  |
| Total hospital costs in $\*,  Median (IQR) | 28,832  (21,722, 39,794) | 31,486  (24,400, 42,016) | 27,162  (20,566, 38,486) | <0.001 |

\* Inflation adjusted (reference 2016-$)

Abbreviatons: IQR=Interquartile range; RC= Radical cystectomy;