**Table 5**. Complications after surgical tracheostomy both under local anesthesia and for airway emergency

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Local anesthesia | General anesthesia | p value | OR (95% CI) |
| Patients, n (%) | 57 (20) | 231 (80) | N/A | N/A |
| Patients with complications, n, rate (%) | 17 (30) | 32 (14) | 0.0041\*\* | 2.6 (1.35–5.18) |
| Bleeding, n, rate (%) | 1 (1.8) | 10 (4.3) | 0.70 | 0.39 (0.05–3.15) |
| Infection, n, rate (%) | 8 (14) | 21 (9) | 0.32 | 1.63 (0.68–3.90) |
| Subcutaneous emphysema, n, rate (%) | 10 (18) | 6 (2.6) | 0.0001\*\*\* | 7.98 (2.76–23.03) |
|  | Airway emergency | No airway emergency | p value | OR (95% CI) |
| Patients, n (%) | 39 (14) | 249 (86) | N/A | N/A |
| Patients with complications, n, rate (%) | 12 (31) | 37 (15) | 0.014\* | 2.5 (1.20–5.42) |
| Bleeding, n, rate (%) | 1 (2.6) | 10 (4) | 1.0 | 0.63 (0.08–5.05) |
| Infection, n, rate (%) | 7 (18) | 22 (8.8) | 0.09 | 2.26 (0.89–5.71) |
| Subcutaneous emphysema, n, rate (%) | 5 (13) | 11 (4.4) | 0.049\* | 3.18 (1.04–9.72) |

OR: odds ratio; CI: confidence interval; N/A: not applicable. \*: p < 0.05 was considered statistically significant; \*\*: p < 0.01; \*\*\*: p < 0.001.