**Table 4:** Multivariate analysis on factors associated with favorable outcome among surgically treated patients at ACH in 2018.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables  | Category  | Management outcome | Adjusted Odds Ratio(95%CI) | p-value |
| Unfavorable | Favorable |
| Age in years | <= 24 | 7 | 65 | 6 (1.1, 31.9) | 0.039\*\* |
| 25-54 | 14 | 60 | 3.8 (0.9, 16.6) | 0.057 |
| >= 55 | 12 | 13 | 1.0 |  |
| Resident | Rural | 28 | 88 | 1.0 |  |
| Urban | 5 | 50 | 0.91 (0.23, 3.7) | 0.902 |
| duration of illness before operation (in days) | < 48 hrs | 6 | 69 | 5.7 (1.5, 22.2) | 0.012\*\* |
| >= 48 hrs | 27 | 69 | 1.0 |  |
| Abdominal distension (symptom) | Yes | 25 | 66 | 1.0 |  |
| No  | 8 | 72 | 1.2 (0.28, 5.5) | 0.770 |
| Constipation  | Yes  | 24 | 58 | 1.0 |  |
| No  | 9 | 80 | 2 (0.55, 8.7) | 0.268 |
| Guarding | Yes  | 20 | 49 | 1.0 |  |
| No | 13 | 89 | 0.4 (0.07, 2.2) | 0.300 |
| Abdominal distension (sign)  | Yes  | 24 | 56 | 1.00 |  |
| No  | 9 | 82 | 1.3 (0.24, 7.3.0) | 0.733 |
| Blood pressure  | Normotensive | 16 | 29 | 1.3 (0.3, 5.6) | 0.707 |
| hypovolemic/hypotensive | 17 | 109 | 1.0 |  |
| Temperature  | Normal range | 21 | 59 | 1.5 (0.44, 6.4) | 0.260 |
| Febrile  | 12 | 79 | 1.0 |  |
| Types of diagnosis  | Appendicitis | 9 | 72 | 2.3 (0.51, 10.2) | 0.283 |
| Intestinal obstruction | 11 | 37 | 2.8 (0.5, 20.6) | 0.237 |
| Peritonitis | 13 | 29 | 1.0 |  |
| Post-operative complication  | Yes | 16 | 13 | 1.0 |  |
| No | 17 | 125 | 5.6 (1.5, 20.5) | 0.010\*\* |
| Length of hospital stay in days | < 7 days | 13 | 98 | 1.9 (0.64, 5.8) | 0.245 |
| >= 7 days | 20 | 40 | 1.0 |  |

\*\*Significant.