**Table 3:** Bivariate logistic regression analysis of management outcome of surgically treated non traumatic acute abdomen in APH, January 2018-September 2018.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** | **Category** | **Management outcome** | | **Crude Odd Ratio (95%CI)** | **p-value** |
| Unfavorable | Favorable |
| **Age** | <= 24 | 7 | 65 | 8 (2.8, 25.9) | 0.001\* |
| 25-54 | 14 | 60 | 3.9 (1.5, 10.5) | 0.006\* |
| >= 55 | 12 | 13 | 1.0 |  |
| **Sex** | Male | 20 | 88 | 1.0 |  |
|  | Female | 13 | 50 | 0.8 (0.27, 4.9) | 0.299\* |
| **Resident** | Rural | 28 | 88 | 1.0 |  |
| Urban | 5 | 50 | 3.2 (1.2, 8.7) | 0.025\* |
| **Duration of illness before operation** | < 48 hrs | 6 | 69 | 4.5 (1.7, 11.7) | 0.002\* |
| >= 48 hrs | 27 | 69 | 1.0 |  |
| **Symptoms and signs** | | | | | |
| **Vomiting** | Yes | 24 | 114 | 1.0 |  |
| No | 9 | 24 | 0.6 (0.23, 1.2) | 0.300 |
| **Nausea** | Yes | 26 | 113 | 1.0 |  |
| No | 7 | 25 | 0.8 (0.32, 2.1) | 0.822 |
| **Abdominal distension(symptom)** | Yes | 25 | 66 | 1.0 |  |
| No | 8 | 72 | 3.4 (1.4, 8.0) | 0.005\* |
| **Constipation** | Yes | 24 | 58 | 1.0 |  |
| No | 9 | 80 | 3.6 (1.6, 8.5) | 0.002\* |
| **Previous abdomino-pelvic surgery** | Yes | 1 | 15 | 1.0 |  |
| No | 32 | 123 | 0.25 (0.03, 2.0) | 0.295 |
| **Guarding** | Yes | 20 | 49 | 1.0 |  |
| No | 13 | 89 | 2.8 (1.3, 6.0) | 0.010\* |
| **Abdominal distension(sign)** | Yes | 24 | 56 | 1.00 |  |
| No | 9 | 82 | 3.9 (1.7, 9.0) | 0.001\* |
| **Blood pressure** | Normotensive | 16 | 29 | 3.5 (1.6, 8.0) | 0.002\* |
| BP < 90/60 mmHg | 17 | 109 | 1.0 |  |
| **Pulse rate** | Normal range | 23 | 86 | 1.3 (0.6.1, 3.1) | 0.430 |
| tachycardic | 10 | 52 | 1.0 |  |
| **Respiratory rate** | Normal range | 7 | 38 | 0.709 (0.28, 1.7) | 0.460 |
| Tachypnic | 26 | 100 | 1.0 |  |
| **Temperature** | Normal range | 21 | 59 | 2.3 (1.0, 5.1) | 0.034\* |
| Febrile (> 37.5 c) | 12 | 79 | 1.0 |  |
| **Types of diagnosis** | Appendicitis | 9 | 72 | 3.6 (1.4, 9.3) | 0.009\* |
| Intestinal obstruction | 11 | 37 | 2.5 (0.7, 6.0) | 0.091\* |
| Peritonitis | 13 | 29 | 1.0 |  |
| **Post-operative complication** | Yes | 16 | 13 | 1.0 |  |
| No | 17 | 125 | 9 (3.7, 22.0) | 0.001\* |
| **Length of hospital stay in days** | < 7 days | 13 | 98 | 3.8 (1.7, 8.3) | 0.001\* |
| >= 7 days | 20 | 40 | 1.0 |  |

## \*Significant.