**Table 6. Sensitivity analysis**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variables**  | **AOR (95% CI)** | ***p*-value** | **Likelihood Ratio (95% CI)** | **Posttest Probability (%)** |
| **Preoperative**  |  | **Positive** | **Negative** |  |
| Age (years) <65 65-74 75-84 >85 | ref1.18 (0.98, 1.42)1.51 (1.25, 1.81)2.57 (2.09, 3.15) | 0.084<0.001<0.001 | -1.00 (0.92, 1.08)1.74 (1.59, 1.90) | -1.00 (0.97, 1.04)0.85 (0.82, 0.88) | -19.329.4 |
| Male sex | 1.09 (0.96, 1.24) | 0.174 | - | - | - |
| Body mass index, kg/m2 Normal (18.50-24.99) Underweight (<18.50) Overweight (> 25.00) Obese I (30.00 – 35.00) Obese II (35.00 – 40.00) Obese III (> 40) | ref1.53 (1.17, 2.01)0.82 (0.71, 0.95)0.93 (0.77, 1.12)0.97 (0.75, 1.25)1.12 (0.84, 1.50) | 0.0020.0100.4250.7950.440 | 2.04 (1.63, 2.56)---- | 0.96 (0.95, 0.98)---- | 32.8---- |
| ASA Classification 1or 2 3 4 5 | ref1.47 (1.13, 1.90)1.73 (1.31, 2.28)3.29 (2.08, 5.20) | 0.004<0.001<0.001 | -1.43 (1.33, 1.53)3.73 (2.74, 5.06) | -0.83 (0.80, 0.87)0.97 (0.96, 0.98) | -25.547.1 |
| Ascites | 1.76 (1.11, 2.78) | 0.016 | 3.04 (2.03, 4.55) | 0.98 (0.98, 0.99) | 42.1 |
| Disseminated cancer | 1.54 (1.18, 2.01) | 0.001 | 1.35 (1.08, 1.69) | 0.99 (0.97, 1.00) | 24.4 |
| Congestive heart failure  | 1.34 (1.07, 1.69) | 0.012 | - | - | - |
| Diabetes mellitus None Non-insulin Insulin  | ref0.87 (0.72, 1.03)0.86 (0.73, 1.02) | 0.1120.079 | -- | -- | -- |
| Renal failure  | 1.33 (1.14, 1.55) | <0.001 | - | - | - |
| Dialysis | 1.16 (0.90, 1.50) | 0.255 | - | - | - |
| History of severe COPD | 1.33 (1.13, 1.58) | 0.001 | - | - | - |
| Systemic Sepsis  None SIRS Sepsis Septic Shock  | ref1.53 (1.24, 1.88)1.80 (1.43, 2.26)1.72 (1.30, 2.27) | <0.001<0.001<0.001 | 1.75 (1.49, 2.05)2.05 (1.71, 2.44)2.87 (2.33, 3.54) | 1.75 (1.49, 2.05)2.05 (1.71, 2.44)2.87 (2.33, 3.54) | 29.532.940.7 |
| Hypertension requiring medication | 0.84 (0.72, 0.98) | 0.024 | - | - | - |
| Steroid use for chronic condition  | 1.00 (0.79, 1.26) | 0.983 | - | - | - |
| Dyspnea None Moderate exertion At rest  | ref1.03 (0.86, 1.24)1.91 (1.29, 2.81) | 0.7290.001 | -2.55 (1.83, 3.55) | -0.98 (0.97, 0.99) | -37.9 |
| Anemia | 0.99 (0.86, 1.14) | 0.870 | - | - | - |
| Transfusion | 1.09 (0.85, 1.41) | 0.485 | - | - | - |
| Surgical urgency Elective Emergent | ref1.46 (1.26, 1.69) | <0.001 | - | - | - |
| Procedural risk Intermediate-risk  High-risk | ref1.45 (1.13, 1.86) | 0.003 | - | - | - |
| **Intraoperative** |  |  |  |  |
| Operation time (per 10 mins) | 1.00 (1.00, 1.01) | 0.469 | - | - | - |
| **Postoperative**  |  |  |  |  |
| Acute renal failure  | 1.74 (1.03, 2.94) | 0.037 | 2.32 (1.49, 3.61) | 0.99 (0.98, 1.00) | 35.7 |
| Sepsis | 0.76 (0.49, 1.17) | 0.214 | - | - | - |
| Pneumonia or ventilation | 1.66 (1.35, 2.04) | <0.001 | 2.11 (1.79, 2.48) | 0.94 (0.92, 0.95) | 33.5 |

Ref=referent group

AOR= adjusted odds ratio; CI=confidence interval; FTR= failure to rescue; ASA = American Society of Anesthesiologists; COPD = chronic obstructive pulmonary disease