**Supplemental Tables**

**Supplemental Table 1: Major complications after appendectomy in patients older than 64 years with generalized peritonitis, Colombia and The United States (States of New York and Florida), 2013 – 2014**

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| --- | --- | --- | --- | --- |
| **Complications** | **Colombia n (%)** | **United States n (%)** | **OR (95% CI)** | **p value** |
| Combined Complications | 239 (30.1) | 453 (27.0) | 1.17 (0.97– 1.41) | 0.100 |
| Respiratory failure | 33 (4.2) | 97 (5.7) | 0.72 (0.49 – 1.06) | 0.094 |
| Cardiac complications | 28 (3.5) | 38 (2.3) | 1.56 (0.96 – 2.52) | 0.067 |
| Pulmonary embolism or deep vein thrombosis | 5 (0.6) | \* (<1.0) | 1.17 (0.39 – 3.50) | 0.778 |
| Acute renal failure | 26 (3.3) | 198 (11.7) | 0.28 (0.19 – 0.41) | <.0001 |
| Gastrointestinal bleeding | 42 (5.3) | 27 (1.6) | 3.29 (2.04 – 5.30) | <.0001 |
| Postoperative hemorrhage | 9 (1.1) | 17 (1.0) | 1.12 (0.50 – 2.50) | 0.778 |
| Surgical site infection | 0(0) | 27 (1.6) | N/A | <.0001 |
| Sepsis | 133 (16.7) | 155 (9.2) | 1.82 (1.46 – 2.25) | <.0001 |
| Postoperative stroke | 1 (0.1) | 0 (0) | >999 (0.00 – 999) | 0.320 |

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| OR, Odds Ratio. CI, confidence interval.  \*Counts ≤10 in US data not reported per Health Cost and Utilization Project (HCUP) data use agreement |

**Supplemental Table 2. Failure to Rescue by Type of Complication After Appendectomy in Colombia and The United States (States of New York and Florida), 2013 – 2014.**

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| --- | --- | --- | --- | --- |
| **Type of Complication** | **Colombia** | **United States** | **OR (95% CI)** | **p value** |
| Any major complication | 240/1,769 (13.6%) | 41/3,853(1.06%) | 14.6 (10.4– 20.4) | < 0.0001 |
| Respiratory complications | 68/306 (22.2%) | 35/907 (3.9%) | 5.8 (3.9 – 8.5) | < 0.0001 |
| Respiratory failure | 55/126 (43.7%) | 32/563 (5.7%) | 7.7 (5.2 – 11.3) | < 0.0001 |
| Pneumonia | 23/192 (11.9%) | 17/511 (3.3%) | 3.6 (1.9- 6.6) | < 0.0001 |
| Cardiac complications | 30/111 (27.0%) | 18/228 (7.9%) | 3.4 (2.0 – 5.9) | < 0.0001 |
| Acute Myocardial Infarction | 24/68 (35.3%) | \*/73 (<6%) | 6.4 (2.3 – 17.6) | <0.0001 |
| Cardiac arrest | 4/13 (30.8%) | 13/23 (56.5%) | 0.5 (0.2 – 1.3) | 0.177 |
| Arrhythmia | 3/32 (9.3%) | \*/149 (<5%) | 1.7 (0.5 – 6.2) | 0.413 |
| Pulmonary embolism or deep vein thrombosis | 6/37 (16.2%) | \*/78 (<4%) | 4.2 (1.1 – 15.9) | <0.030 |
| Acute renal failure | 18/72(25.0%) | 21/1250 (1.7%) | 14.8 (8.3 – 26.6) | < 0.0001 |
| Gastrointestinal bleeding | 17/770 (2.2%) | \*/261 (<1%) | 2.9 (0.7 – 12.4) | 0.184 |
| Postoperative hemorrhage | 7/78 (8.9%) | \*/223 (<1%) | 6.7 (1.8 – 25.2) | 0.004 |
| Surgical site infection | 0/98 (0%) | \*/322 (<1%) | 0.0 (0.0 – 999) | 0.954 |
| Sepsis | 177/373 (47.4%) | 28/1,309 (2.2%) | 22.2 (15.1 – 32.5) | < 0.0001 |
| Urinary tract infection | 6/559 (1.0%) | \*/1052 (<1%) | 2.8 (0.8 – 9.9) | 0.105 |
| OR, Odds Ratio. CI, confidence interval.  \*Counts ≤10 in US data not reported per Health Cost and Utilization Project (HCUP) data use agreement | | | | |