**Supplemental table 2:** Results summary table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Primary outcome | Number of studies | Number of subjects | Odds Ratio/ Mean Difference | 95% confidence interval | I2 |
| PONV at 24 hours: |  |  |  |  |  |
| Ondansetron | 4 | 335 | 0.29 | 0.16, 0.53 | 0% |
| Granisetron | 2 | 180 | 0.36 | 0.12, 1.06 | 0% |
| Ramosetron | 2 | 152 | 0.52 | 0.14, 1.89 | 61% |
| Palonosetron | 2 | 144 | 0.22 | 0.08, 0.64 | NA |
| Dolasetron | 1 | 140 | 0.47 | 0.24, 0.92 | NA |
| Toltal | 11 | 951 | 0.38 | 0.27, 0.54 | 0% |
| Secondary outcomes | Number of studies | Number of subjects | Odds Ratio/ Mean Difference | 99% confidence interval | I2 |
| Nausea at 24 hours | 9 | 742 | 0.31 | 0.16, 0.59 | 0% |
| Vomiting at 24 hours | 9 | 742 | 0.35 | 0.16, 0.76 | 0% |
| PONV at 6 hours | 6 | 475 | 0.43 | 0.17, 1.09 | 33% |
| Nausea at 6 hours | 5 | 405 | 0.26 | 0.11, 0.66 | 0% |
| Vomiting at 6 hours | 5 | 405 | 0.37 | 0.12, 1.15 | 0% |
| Need for rescue antiemetic at 24 hours | 6 | 531 | 0.21 | 0.10, 0.46 | 0% |
| VAS score at 24 hours | 5 | 361 | -0.67 | -1.27, -0.08 | 76% |
| Adverse effects |  |  |  |  |  |
| Dizziness | 7 | 587 | 1.10 | 0.33, 3.71 | 0% |
| Headache | 9 | 762 | 0.83 | 0.41, 1.69 | 0% |

PONV: postoperative nausea and vomiting, VAS: visual analogue scale.