Supplementary Table 2- Summary of the quantitative data of the included studies

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Reference | Incidence of VAP | | | | Mortality | | | | ICU lenght of stay | | | | Mechanical ventilation duration | | | |
| CHX | Total | Control | Total | CHX | Total | Control | Total | CHX | SD | Control | SD | CHX | SD | Control | SD |
| Bellissimo-Rodrigues et al., (2009) (1) | 16 | 64 | 17 | 69 | 35 | 64 | 33 | 69 | - | - | - | - | - | - | - | - |
| Berry et al., (2011) (2) | 4 | 71 | 1 | 78 | - | - | - | - | - | - | - | - | - | - | - | - |
| Kes et al (2021) (3) | 10 | 27 | 17 | 27 |  |  |  |  |  |  |  |  |  |  |  |  |
| Koeman et al., (2006) (4) | 13 | 127 | 23 | 130 | - | - | - | - | 13.8 | 17.4 | 12.5 | 12.9 | 9.2 | 12 | 7 | 8.1 |
| Meidani et al., (2018) (5) | 32 | 91 | 28 | 88 | 64 | 88 | 51 | 83 | - | - | - | - | - | - | - | - |
| Meinberg et al., (2012) (6) | 6 | 50 | 15 | 50 | 4 | 50 | 5 | 105 | 22.4 | 13.4 | 21.1 | 14 | 16.6 | 9.6 | 16.5 | 11.7 |
| Özçaka et al., (2012) (7) | 38 | 92 | 55 | 100 | 25 | 44 | 19 | 100 | - | - | - | - | - | - | - | - |
| Panchabhai et al., (2009) (8) | 12 | 29 | 22 | 32 | 17 | 29 | 19 | 32 | 12.2 | 11.3 | 15.4 | 13.5 | 9 | 8.3 | 12.3 | 11.9 |
| Scannapieco et al., (2009) (9) | 14 | 97 | 12 | 49 | 8 | 97 | 8 | 49 | 11.3 | 6.7 | 11.5 | 6.8 | 8.9 | 5.1 | 9.7 | 6.3 |
| Tantipong et al., (2008) (10) | 5 | 58 | 10 | 52 | - | - | - | - | - | - | - | - | - | - | - | - |

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