**S1 The analysis of manually placenta remove for women** **received induced and/or augmented labor.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Items | Women received induced and/or augmented labor | | Relative Risk  (95% *CI*) | *P* |
| Carbetocin group  *n*=272（86.6%） | Oxytocin group  *n*=262（84.5%） |
| Manual removal  of placenta, *n* (%) | 5(1.8) | 17 (6.5) | 3.71(1.35-10.20) | 0.01 |
| Due to bleeding, *n* (%) | 3(1.1) | 11(4.2) | 3.93(1.08-14.25) | 0.03 |
| Due to prolonged third stage, *n* (%) | 2(0.7) | 6(2.3) | 3.16(0.63-15.82) | 0.17 |

*CI*:Confidence interval.

**S2 The analysis of manually placenta remove for** **women without induced and/or augmented labor.**

|  |  |  |  |
| --- | --- | --- | --- |
| Items | Women without induced and/or augmented labor | | *P* |
| Carbetocin group  *n*=42（13.4%） | Oxytocin group  *n*=48（15.5%） |
| Manual removal  Of placenta , *n* (%) | 1(2.4) | 2 (4.2) | 1.00 |
| Due to bleeding, *n* (%) | 1(2.4) | 2(4.2) | 1.00 |
| Due to prolonged third stage, *n* (%) | 0(0.0) | 0(0.0) | - |

-:Not applicable.

**S3 Vital signs change after uterotonics infusion**

|  |  |  |  |
| --- | --- | --- | --- |
| Items | Carbetocin group  ( *n*=314) | Oxytocin group  (*n*=310) | *P* |
| [Systolic pressure](http://dict.youdao.com/w/systolic%20pressure/" \l "keyfrom=E2Ctranslation)  (mm Hg) |  |  |  |
| 0 min | 122.57±10.46 | 122.30±10.82 | 0.75 |
| 30min postpartum | 118.99±10.52 | 120.79±10.65 | 0.03 |
| 60min postpartum | 114.04±10.72 | 114.78±10.77 | 0.39 |
| 120min postpartum | 116.55±10.53 | 115.85±10.91 | 0.42 |
| Diastolic pressure  (mm Hg) |  |  |  |
| 0 min | 73.90±8.79 | 74.40±9.15 | 0.49 |
| 30min postpartum | 70.22±9.08 | 71.38±9.12 | 0.11 |
| 60min postpartum | 66.66±8.47 | 67.77±8.48 | 0.10 |
| 120min postpartum | 67.31±8.58 | 67.31±8.66 | 0.99 |
| Heart rate (bpm) |  |  |  |
| 0 min | 89.14±11.62 | 88.35±11.66 | 0.39 |
| 30min postpartum | 90.90±12.55 | 89.24±12.04 | 0.08 |
| 60min postpartum | 86.69±11.79 | 84.88±11.50 | 0.05 |
| 120min postpartum | 86.36±11.79 | 85.28±11.69 | 0.25 |

Data are presented as mean ± *SD*.