**Supplemental Table 2. The results of meta-analysis of the odds of CNS and urogenital abnormalities in ART infants**

|  |  |  |  |
| --- | --- | --- | --- |
| Studies | Adjusted odds ratio (95% CI) | Logarithm of odds ratio | Articles’ weight, percent |
| Meta-analysis estimation of odds ratio of **CNS** in ART infants | | | |
| Klemetti, 2005 (9) | - | 1.27 | 9.94 |
| Kallen, 2005 (13) | - | 0.37 | 18.26 |
| Pinborg, 2010 (15) | - | 0.14 | 5.26 |
| Jwa, 2015 (19) | 0.79(0.48-1.27) | -0.26 | 10.8 |
| Kelley-Quon,2013 (20) | 0.98(0.67-1.43) | 0.17 | 12.03 |
| Hansen, 2012 (24) | 1.18(0.52-2.67) | 0.07 | 8.98 |
| Heisey, 2015 (25) | - | 0.09 | 5.33 |
| Davies, 2012 (27) | 1.36(0.94-1.99) | 0.32 | 12.69 |
| Halliday, 2009 (28) | - | 0.13 | 5.22 |
| Kallen,2010 (30) | 2.06(1.36-3.14) | 0.49 | 11.41 |
| Total OR and 95% CI | Pooled OR: 1.36(1.10-1.70) | | |
| **Heterogeneity (Tau2): 0.07**  **X2: 25.67 (df=9) , (p=0.002) and I2: 64.9%** | | | |
| **Testing the total effect of Z: 27.8 (p=0.005)** | | | |
| **Begg’s test: Z= 0.63 (p=0.53)**  **Egger’s test: t=0.47 p=(0.65) , CI: -2.30-1.52)** | | | |
|  | | | |
| Meta-analysis estimation of odds ratio of **urogenital abnormalities** in ART infants | | | |
| Studies | Adjusted odds ratio (95% CI) | Logarithm of odds ratio | Articles’ weight, percent |
| **Klemetti, 2005** (9) | 2.05(1.36-3.10) | 0.55 | 8.94 |
| **Pinborg, 2010** (15) | - | 0.26 | 9.13 |
| **Seggers, 2015** (18) | - | -0.60 | 6.18 |
| **Jwa, 2015** (19) | 0.85(0.5-1.43) | -0.15 | 6.75 |
| **Kelley-Quon,2013** (20) | 1.40(1.09-1.82) | 0.39 | 6.23 |
| **S.Funke, 2010** (23) | - | 0.72 | 6.62 |
| **Hansen, 2012** (24) | - | 0.49 | 9.63 |
| **Heisey, 2015** (25) | - | 0.66 | 9.25 |
| **Davies, 2012** (27) | 1.30(1.08-1.54) | 0.35 | 10.01 |
| **Kallen,2010** (30) | - | 0.17 | 9.33 |
| **Sagot, 2012** (31) | - | 0.82 | 6.28 |
| **Zwink, 2013** (38) | 8.30(4.6-15) | 2.11 | 5.68 |
| **Farhangniya, 2013** (39) | - | 0.53 | 2.97 |
| **Total OR and 95% CI** |  | Pooled OR: 1.58(1.28-1.94) |  |
| **Heterogeneity (Tau2): 0.10**  **X2: 65.26 (df=12) , (p=0.00) and I2: 81.6%** | | | |
| **Testing the total effect of Z: 4.31 (p=0.00)** | | | |
| **Begg’s test: Z=- 0.61 (p=0.54)**  **Egger’s test: t=-0.58 p=(0.57) , CI: -2.59-4.45)** | | | |