**Supplemental Table 1. The results of meta-analysis of the odds of congenital malformations and LBW in ART infants**

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| --- | --- | --- | --- |
| Studies | Adjusted odds ratio (95% CI) | Logarithm of odds ratio | Articles’ weight, percent |
| Meta-analysis estimation of odds ratio of congenital malformationsin ART infants |
| Klemetti, 2005 (9) | - | 0.33 | 5.34 |
| Kallen, 2005 (13) | 1.61(1.41-1.83) | 0.66 | 5.58 |
| El-chaar, 2009 (14) | 1.55(1.01-2.38) | 0.46 | 3.06 |
| Pinborg, 2010 (15) | - | 0.23 | 5.29 |
| Fujii,2010 (16) | 1.17(0.81-1.69) | 0.14 | 3.53 |
| Seggers, 2015 (18) | - | 0.01 | 3.64 |
| Jwa, 2015 (19) | 0.92(0.8-1.06) | -0.09 | 5.37 |
| Kelley-Quon,2013 (20) | 1.25(1.12-1.39) | 0.34 | 5.47 |
| Merlob, 2005 (21) | 1.58(1.22-1.91) | 0.67 | 5.12 |
| S.W.Wen, 2010 (22) | 1.58(1.1-1.27) | 0.52 | 4.20 |
| S.Funke, 2010 (23) | - | 0.72 | 2.57 |
| Hansen, 2012 (24) | 1.31(0.87-1.96) | 0.53 | 5.37 |
| Heisey, 2015 (25) | - | 0.50 | 5.32 |
| Davies, 2012 (27) | 1.25(1.13-1.39) | 0.38 | 5.52 |
| Halliday, 2009 (28) | 1.36(1.19-1.55) | 0.30 | 5.41 |
| Kallen,2010 (30) | 1.15(1.07-1.24) | 0.18 | 5.63 |
| Olson, 2005 (12) | 1.30(1-1.67) | 0.32 | 4.63 |
| Sagot, 2012 (31) | 2(1.3-3.1) | 0.76 | 4.14 |
| Shevell,2005 (32) | 0.9(0.4-2) | 0.61 | 2.77 |
| Y.Edler-levy, 2007 (36) | 1.7(1.28-2.26) | 0.53 | 4.11 |
| Zwink, 2013 (38) | 8.3(4.6-15) | 2.11 | 2.07 |
| Farhangniya, 2013 (39) | 2.04(0.92-4.5) | 0.62 | 2.33 |
| Total OR and 95% CI | Pooled OR: 1.53(1.37-1.70) |
| Heterogeneity (Tau2): 0.05X2: 214.43 (df=22) , (p=0.00) and I2: 89.7% |
| Testing the total effect of Z: 7.77 (p=0.00) |
| Begg’s test: Z= 0.95 (p=0.34)Egger’s test: t=1.05 p=(0.31) , CI: -1.29-3.91) |
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| Meta-analysis estimation of odds ratio of LBW in ART infants |
| Studies | Adjusted odds ratio (95% CI) | Logarithm of odds ratio | Articles’ weight, percent |
| Elder-Geva, 2014 (11) | - | 0.51 | 6.62 |
| Pinborg, 2010 (15) | - | 0.75 | 6.98 |
| Fujii,2010 (16) | 1.08(0.91-1.29) | 0.23 | 7.01 |
| Wisborg, 2010 (17) | 1.44(0.78-2.66) | 0.27 | 5.02 |
| Jwa, 2015 (19) | - | 0.14 | 7.08 |
| Kelley-Quon,2013 (20) | - | 0.93 | 7.07 |
| Merlob, 2005 (21) | - | -0.66 | 6.90 |
| S.Funke, 2010 (23) | - | 0.88 | 7 |
| Hansen, 2012 (24) | - | 1.66 | 7.6 |
| Reefhuis, 2009 (26) | - | 1.68 | 5.51 |
| Ho, 2005 (29) | - | -0.02 | 6 |
| Olson, 2005 (12) | - | 0.52 | 6.48 |
| Shevell,2005 (32) | - | 2.51 | 6.28 |
| Yang, 2011 (33) | 0.9(0.5-1.5) | -0.11 | 6.27 |
| Malchau, 2013 (34) | - | -0.06 | 7.09 |
| Barat, 2009 (37) | - | 3.14 | 1.09 |
| Total OR and 95% CI |  | Pooled OR: 1.89(1.36-2.62) |  |
| Heterogeneity (Tau2): 0.39X2: 2174.05 (df=15) , (p=0.00) and I2: 99.3% |
| Testing the total effect of Z: 3.80 (p=0.00) |
| Begg’s test: Z= 0.05 (p=0.96)Egger’s test: t=1.23 p=(0.24) , CI: -4.27-15.60) |