## Supplementary Table 4. Quality of included reviews: Oxman & Guyatt index of scientific quality scoring system for systematic reviews.

| **Review** | **Search methods stated:** | **Search reasonably comprehensive:** | **Inclusion criteria reported:** | **Bias in study selection avoided:** | **Criteria used to assess validity reported:** | **Validity assessed using appropriate criteria:** | **Methods used to combine findings reported:** | **Findings combined appropriately:** | **Conclusions supported by data:** | **Scientific quality rating\*:** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Maternal or paternal age (N = 4)** | | | | | | | | | | |
| Watt et al. (2011) | Yes | Yes | Yes | Yes | Yes | Yes | N/A | N/A | Yes | 7 |
| Dain et al. (2011) | Yes | Yes | Yes | Yes | No | Can’t tell | N/A | N/A | Yes | 4 |
| McLernon et al. (2010) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 7 |
| Van Loendersloot et al. (2010) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 7 |
| **Maternal weight/BMI (N = 5)** | | | | | | | | | | |
| Jungheim et al. (2013) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 7 |
| Koning et al. (2012) | Yes | Yes | Yes | Yes | No | Can’t tell | Yes | Yes | Yes | 4 |
| Rittenberg et al. (2011) | Yes | Yes | Yes | Yes | No | Can’t tell | Yes | Yes | Yes | 4 |
| Metwally et al. (2008) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 7 |
| Maheshwari et al. (2007) | Yes | Yes | Yes | Yes | No | Can’t tell | Yes | Yes | Yes | 4 |
| **Maternal smoking (N = 1)** | | | | | | | | | | |
| Waylen et al. (2009) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 7 |
| \*Scientific quality rating:  - >1 “can’t tell” = review likely to have minor flaws at best, difficult to rule out major flaws = score 4 or lower  - “no” on Qs 2, 4, 6, or 8 = review is likely to have major flaws = score of 3 or less depending on number and degree of flaws  - extensive flaws: score 1-3, minor flaws: score 4-7 (if major 4-5, if minimal 6-7)  See: Oxman AD and Guyatt GH. Validation of an index of the quality of review articles. *J Clin Epidemiol* 1991; **44**, 1271-1278 and Oxman AD and Guyatt GH. The Oxman & Guyatt index of scientific quality [scoring system for systematic review]. *Bandolier Professional* 2003; 7. | | | | | | | | | | |