Table S1. Quality control analysis for the studies included in this review. Each domain is scored 1-3 (1=strong study design, 2=moderate and 3=weak) and studies with no weak domains are given a strong global score, as study with one weak domain has a moderate global study design score and >one weak domain leads to a study being classed as globally weak.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Selection Bias** | **Study Design** | **Confounders** | **Blinding** | **Data Collection and Method** | **Withdrawals and Dropouts** | **Global Rating** |
| Sonographic detection of smoking-related decreased fetal growth. Jeanty 19871 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| Effects of maternal cigarette smoking on ultrasonic measurements of fetal growth and on Doppler flow velocity waveforms. Newnham 1990 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| Pre and post natal growth in children of women who smoked in pregnancy  1996. Vik 19963 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |
| Impact of maternal cigarette smoking on fetal growth and body composition. Bernstein 20004 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| Maternal smoking affects fetal growth more in the male fetus. Zaren 20005 | 3 | 2 | 2 | 1 | 2 | 2 | 2 |
| Prenatal smoke exposure alters growth in limb proportions and head shape in the midgestation human fetus. Lampl 20036 | 3 | 2 | 2 | 2 | 2 | 1 | 2 |
| Environmental tobacco smoke exposure among pregnant women: Impact on fetal biometry at 20-24 weeks of gestation and newborn child’s birth weight. Hanke 20047 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| The influence of cigarette smoking on antenatal growth, birth size and the insulin-like growth factor axis.Pringle 20058 | 2 | 2 | 3 | 2 | 2 | 1 | 2 |
| Maternal smoking and fetal growth characteristics in different periods of pregnancy. Jaddoe 20079 | 3 | 2 | 1 | 1 | 2 | 2 | 2 |
| Maternal smoking does not affect fetal size as measured in the mid-second trimester. Bergsjo 200710 | 3 | 2 | 3 | 1 | 2 | 1 | 3 |
| The impact of maternal smoking on fetal and infant growth. Veilwerth 200711 | 2 | 2 | 3 | 1 | 2 | 3 | 3 |
| Effects of voucher-based incentives on abstinence from cigarette smoking and fetal growth among pregnant women. Heil 200812 | 3 | 1 | 2 | 2 | 1 | 1 | 2 |
| First trimester maternal tobacco smoking habits and fetal growth. Prabhu 201013 | 3 | 2 | 1 | 1 | 2 | 2 | 2 |
| Active and passive smoking during pregnancy and ultrasound measures of fetal growth in a cohort of pregnant women. Iniguez 201214 | 3 | 2 | 1 | 1 | 1 | 1 | 2 |
| Impact of maternal characteristics on fetal growth in the third trimester: a population-based study. Lindell 201215 | 1 | 2 | 2 | 1 | 1 | 1 | 1 |
| Maternal smoking during pregnancy and fetal biometry. Iniguez 201316 | 3 | 2 | 1 | 1 | 1 | 1 | 2 |

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