

Air pollution and adverse birth outcomes in very low birth weight infants: machine learning analysis using a nationwide cohort data

Running title: Air pollution and adverse birth outcomes in very low birth weight infants

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Supplemental Text 1. Variable Definitions

Small for gestational age was defined as birth weight below the 10th percentile according to the Fenton growth chart ¹. Gestational diabetes mellitus was defined as any degree of glucose intolerance with onset or first recognition during pregnancy. Pregnancy-induced hypertension referred to hypertension with onset in the latter part of pregnancy (> 20 weeks' gestation) followed by normalization of the blood pressure postpartum. Chorioamnionitis was defined as histologic chorioamnionitis ². Oligohydramnios (or polyhydramnios) was defined as amniotic fluid index < 5cm (or > 24cm).

References

- 1 Fenton, T. R. & Kim, J. H. A systematic review and meta-analysis to revise the Fenton growth chart for preterm infants. *BMC Pediatr* **13**, 59, doi:10.1186/1471-2431-13-59 (2013).
- 2 Yoon, B. H. *et al.* Amniotic fluid interleukin-6: a sensitive test for antenatal diagnosis of acute inflammatory lesions of preterm placenta and prediction of perinatal morbidity. *Am J Obstet Gynecol* **172**, 960-970, doi:10.1016/0002-9378(95)90028-4 (1995).