Supplemental Material

Fetal Thyroid Function, Birth Weight, and in Utero Exposure to Fine Particle Air Pollution: A Birth Cohort Study


Table of Contents

Table S1. Characteristics of the ENVIRONAGE birth cohort participants and all births from 2002-2011 in Flanders (Northern part of Belgium). .......................................................... 2

Table S2. Associations between smoking status during pregnancy and thyroid hormones in cord blood and maternal blood. ................................................................. 3

Table S3. Sensitivity analysis of the associations between an IQR increment (+8.2 µg/m³) in third trimester PM2.5 exposure and cord blood thyroid hormones. .............................. 4

Figure S1. Change in cord (●) and maternal (■) blood thyroid hormones in association with third gestational trimester PM2.5, while adjusting for length of labor (n = 427). The estimated relative change in percentage (95% CI) is calculated for an IQR increment (+8.2 µg/m³) in third trimester PM2.5 exposure. Panel A displays the change in TSH (left) and the change in FT4/FT3 ratio (right). Panel B displays the change in FT4 (left) and FT3 (right). The cord blood models were adjusted for sex, gestational age, season of delivery, Apgar score, maternal age, pre-pregnancy BMI, smoking status, parity, ethnicity, maternal education, and apparent temperature, whereas for maternal blood sex and Apgar score were excluded. ...................... 5