**Cohort Studies of Maternal Thyroid Status**

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**Abstract**

Maternal and fetal hypothyroidism can certainly occur as a result of iodine deficiency during pregnancy. Even transient or mild maternal thyroid dysfunction has been linked to untoward pregnancy outcomes and impaired neurodevelopment in offspring. Although there are several large cohort studies of maternal thyroid function, many have allegedly been done in iodine-sufficient areas. Unfortunately, few have directly evaluated maternal iodine status. Although the impact of severe maternal iodine deficiency on outcomes seems certain, the effects of milder degrees of deficiency are less clear. The effect of mild-to-moderate iodine deficiency on pregnancy and offspring outcomes and the potential benefits of iodine supplementation during pregnancy using previous or ongoing cohort studies should be investigated.

**References**

1. ClinicalTrials.gov
5. Pop VJ, Kuijpens JL, van Baar Al, et al. Low maternal free thyroxine concentrations during early pregnancy are associated with impaired