Professor Aris Papageorghiou

Editor-in-Chief – BJOG

01 March 2022

Dear Prof. Papageorghiou,

We would like to submit our Letter to Editor entitled ‘COVID-19 vaccination in pregnancy’ to *BJOG.*

Early studies on vaccination in pregnant women showed no increased risk of pregnancy complications, but the studies were retrospective and limited to Pfizer-BioNTech. Here, we compare pregnancy and neonatal outcomes in Vietnamese women vaccinated against COVID-19 with Astra Zeneca and Pfizer-BioNTech.

We prospectively investigated 954 pregnant women vaccinated against COVID-19 at around 30-31 weeks of gestation at My Duc Hospital, Ho Chi Minh City, Vietnam between August 2021 and November 2021. There were more side-effects reported after Astra Zeneca, but they were all mild. There were more women with pre-eclampsia and gestational diabetes mellitus after vaccination with Pfizer-BioNTech (both 1.0% versus 0.2%), but differences were not statistically significant. However, the rate of low birthweight <2500 gram was 2.5% after Astra Zeneca and 5.3% after Pfizer (RR 2.1; 95% CI 1.05, 4.18, P-value 0.046).

We believe that our findings are clinically relevant because COVID-19 vaccination is widely recommended for pregnant women nowadays and would therefore be of interest to readers of *BJOG*.

The manuscript has not been published, and is not being considered for publication, elsewhere.

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I look forward to hearing from you in the near future.

Kind regards,

**Lan N Vuong, on behalf of co-authors**