

**The Relationship Between Thyroid Function or Subclinical Hypothyroidism in  
Early Pregnancy and Risk of Low Birth Weight and Small for Gestational Age of  
The Offspring: A Multicentre Prospective Cohort Study**

Juan Li,<sup>1</sup> Minhui Hu,<sup>1</sup> Rong Zhao,<sup>2</sup> Shuanghua Xie,<sup>1</sup> Shaofei Su,<sup>1</sup> Enjie Zhang,<sup>1</sup>  
Shuangying Li,<sup>1</sup> Zhan Li,<sup>1</sup> Jianhui Liu,<sup>1</sup> Hao Xing,<sup>1</sup> Ruixia Liu,<sup>1\*</sup> Aris T.  
Papageorghiou,<sup>3\*</sup>Chenghong Yin.<sup>1\*</sup>

<sup>1</sup> Department of Central Laboratory, Beijing Obstetrics and Gynecology Hospital,  
Capital Medical University, Beijing Maternal and Child Health Care Hospital, Beijing  
100026, China

<sup>2</sup> Department of Obstetrics, Beijing Obstetrics and Gynecology Hospital, Capital  
Medical University, Beijing Maternal and Child Health Care Hospital, Beijing 100026,  
China

<sup>3</sup> Nuffield Department of Women' s and Reproductive Health, University of Oxford,  
The Women's Centre, John Radcliffe Hospital, Oxford, UK.

\* Corresponding author

Ruixia Liu

Email: [liuruixia@ccmu.edu.cn](mailto:liuruixia@ccmu.edu.cn)

ORCID: 0000-0001-5835-4424

Tel.: +86-10-52277607. Address: No. 251 Yaojiayuan Road, Chaoyang District, Beijing  
100026, China

Aris T. Papageorghiou

Email: [aris.papageorghiou@wrh.ox.ac.uk](mailto:aris.papageorghiou@wrh.ox.ac.uk)

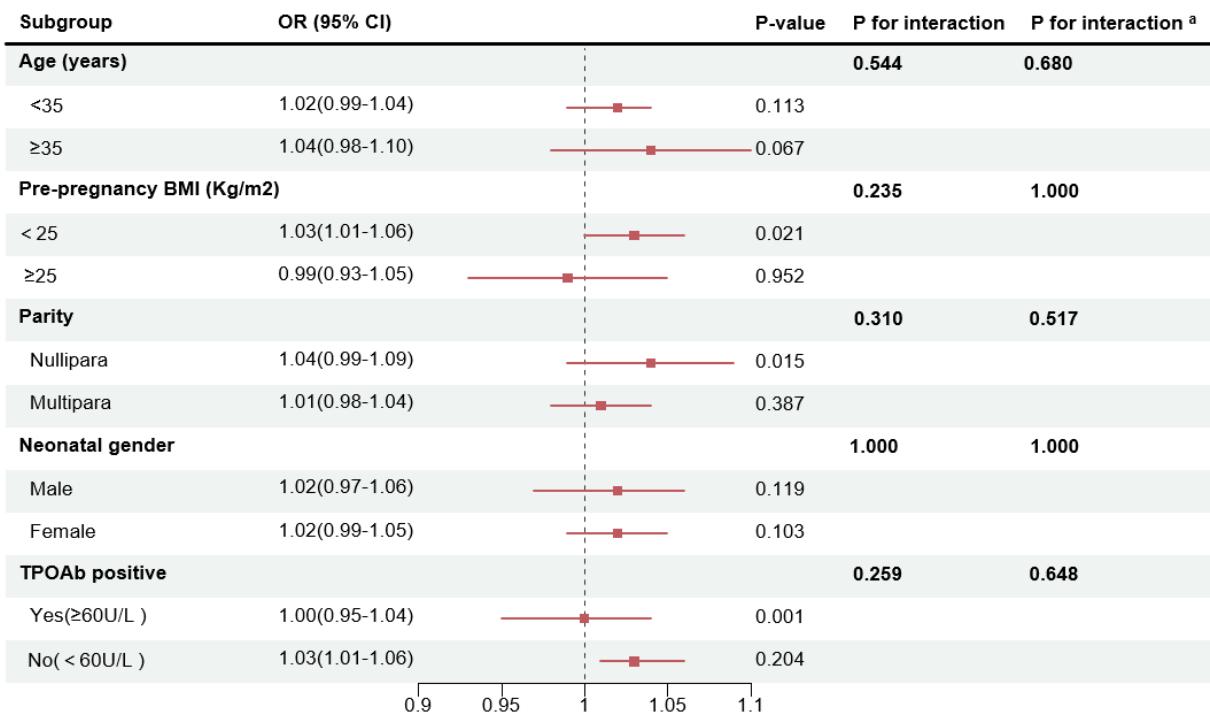
Tel.: +44(0)20 8725 0071. Address: John Radcliffe Hospital, Oxford, OX3 9DU, UK.

Chenghong Yin

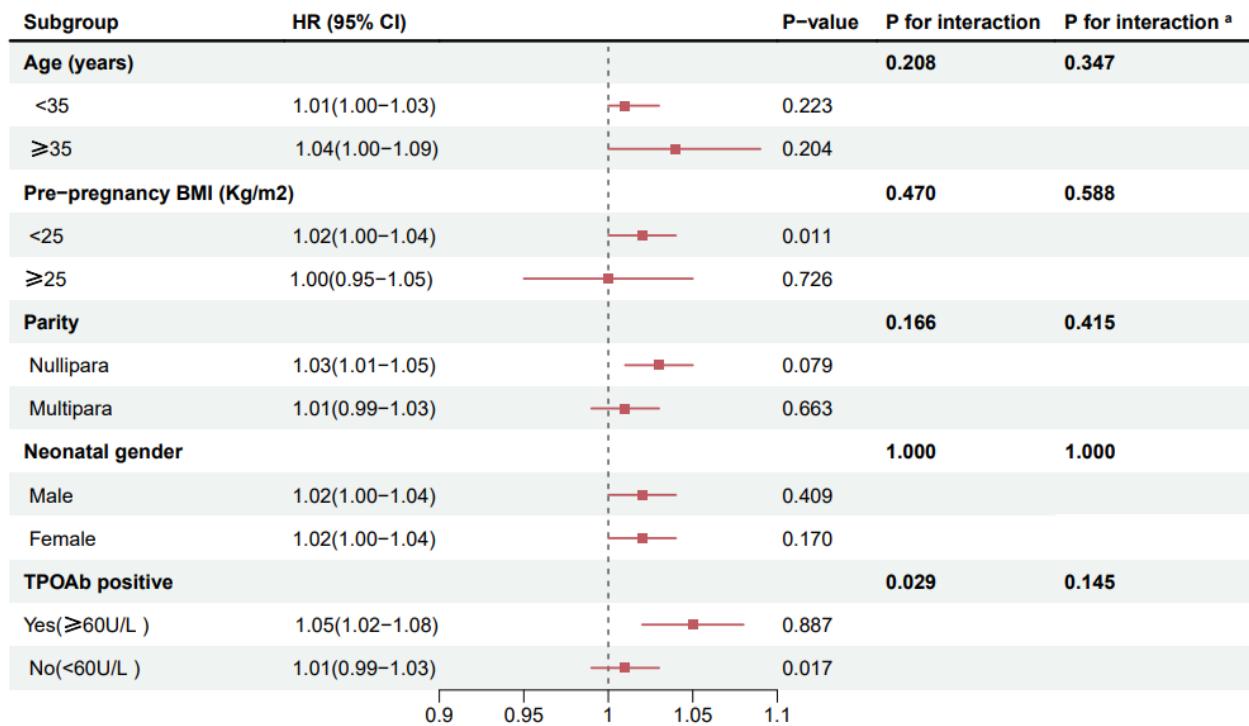
Email: [yinchh@ccmu.edu.cn](mailto:yinchh@ccmu.edu.cn)

ORCID: 0000-0002-2503-3285

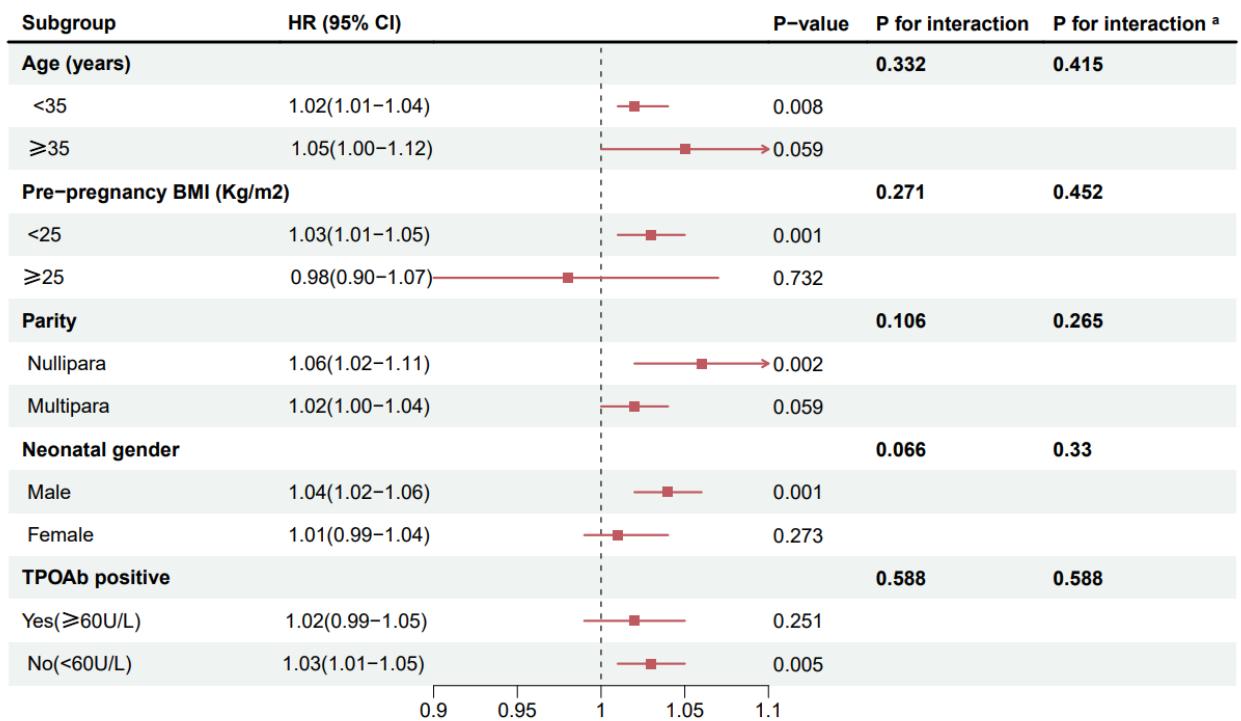
Tel.: +86-10-85968401. Address: No. 251 Yaojiayuan Road, Chaoyang District, Beijing 100026, China



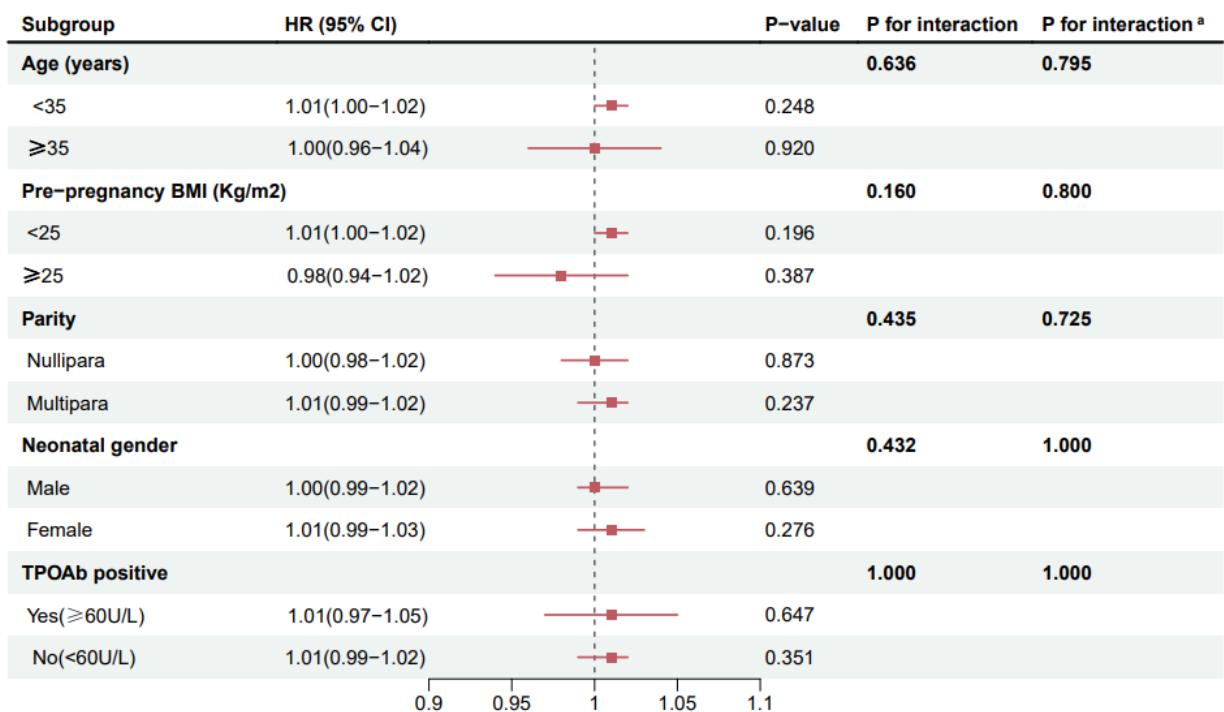
**Figure S1** Association between TSH levels and LBW in different subgroup



**Figure S2** Association between FT4 levels and LBW in different subgroup



**Figure S3** Association between TSH levels and SGA in different subgroup



**Figure S4** Association between FT4 levels and SGA in different subgroup