Comment on “Mucin gene polymorphisms are associated with endometriosis in Korean women”

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Received: 21 December 2019 / Accepted: 26 February 2020 / Published online: 9 March 2020
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Dear Editor,

We read the publication on “Mucin (MUC) gene polymorphisms are associated with endometriosis in Korean women” with a great interest [1]. Kim et al. concluded that “The MUC1 genotype may not be correlated with endometriosis susceptibility. However, MUC4 polymorphisms are associated with the risk for endometriosis in Korean women [1].” In fact, the single-nucleotide polymorphism (SNP) of MUC results in molecular change, and the molecular change further results in the alteration of phenotypic expression. This change in, due to either, MUC1 or MUC4 SNPs should affect the final phenotypic expression. Nevertheless, Kim et al. focused on only MUC1 and MUC4 SNPs. There are also other genetic polymorphisms that might associate with endometriosis [2]. The examples of those genetic polymorphisms are tumor necrosis factor- α gene-1031T/C promoter, vitamin D-binding protein and Interleukin 1 alpha polymorphisms [3, 4]. The effects of other possible genetic confounding factors should be assessed in the future studies.

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Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Compliance with ethical standards

Conflict of interest The authors declare no conflict of interest.

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This comment refers to the article available online at <https://doi.org/10.1007/s00404-019-05409-0>.

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