

Accepted Manuscript

Title: Letter from original author re. Does telomerase activity have an effect on infertility in patients with endometriosis?
Methodological Issues

Author: Nigar Sofiyeva

PII: S0301-2115(17)30334-2
DOI: <http://dx.doi.org/doi:10.1016/j.ejogrb.2017.07.009>
Reference: EURO 9979

To appear in: *EURO*



Please cite this article as: Sofiyeva Nigar. Letter from original author re. Does telomerase activity have an effect on infertility in patients with endometriosis? Methodological Issues. *European Journal of Obstetrics and Gynecology and Reproductive Biology* <http://dx.doi.org/10.1016/j.ejogrb.2017.07.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Letter from original author re. Does telomerase activity have an effect on infertility in patients with endometriosis? Methodological Issues

Nigar Sofiyeva, MD, MSc candidate

Department of Obstetrics and Gynecology,
Istanbul University, Cerrahpasa Medical Faculty,
Istanbul, 34098, Turkey

Department of Obstetrics, Gynecology and Reproductive Sciences,
Yale University School of Medicine,
New Haven, 06510, CT, United States

Dear Editor,

We greatly appreciate the thoughtful comments from Dr. Almasi-Hashiani et al. on the article entitled “Does telomerase activity have an effect on infertility in patients with endometriosis?” (1). We are delighted that you are interested in the study.

We agree with the sample size limitation of the study, which can alter the statistical power of the concluded results. As we mentioned in the article, endometrial sampling was one of the steps taken in designing the study, and the invasiveness of this procedure was the main limitation in reaching the targeted sample size. Virginity and enrolled patients’ desire for future fertility were the main reasons for refusing the procedure. As a result, only 65.3% of all eligible patients consented for participation. Those who did participate were divided into three groups of equal size; within each group, we ensured that approximately equal numbers of participants were in secretory and proliferative phases of the menstrual cycle. We agree entirely with the authors’ point that increase in the sample size will enhance the power and significance of the results.

The non-random selection of treatment cohorts also was mentioned by Dr. Almasi-Hashiani. As mentioned in our article, this study is a non-randomized trial and the treatment cohort, i.e. surgical intervention, was applied according to the underlying condition. To avoid ethical issues, patients who underwent a hysterectomy and bilateral salpingo-oophorectomy surgery for benign gynecological conditions were enrolled in the control group. This grouping led to the age difference between endometriosis and healthy control groups. On the other hand, infertile and fertile patients in endometriosis group were in different decades due to the nature of this underlying condition. Based on the sample size for each study group, only one parameter, age, was chosen and adjusted as the most prominent confounder. Significance was established after adjustment. Only one confounder was adjusted in order to account for sample size and to avoid over-adjustment bias (2).

Download English Version:

<https://daneshyari.com/en/article/5694255>

Download Persian Version:

<https://daneshyari.com/article/5694255>

[Daneshyari.com](https://daneshyari.com)