

Review of: "Different pattern of menstrual in patients with COVID-19 infections"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

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Interesting research that discusses the impact of COVID-19 on women

Abstract:

It would be better if the method conveyed how to get the sample, where the research was carried out, the time and place of sampling and how to take the sample, including the sample criteria.

Introduction :

In the introduction, it is better to add to explain the influence of hormones on the menstrual cycle and the effect of coagulation disorders in COVID-19 on the hormonal cycle that will affect menstrual bleeding.

Patients and Methods:

The study was conducted retrospectively on female patients at the Maternity hospital, were there any other diagnoses besides COVID-19 in the participating samples? For example, the woman is partus? postpartum? abortion? or even check for pregnancy or other infections? or come only to suffer from COVID-19?

When looking at the questionnaire that must be filled out, is it possible for a patient who is a layman to fill it? Because the questionnaire contains many medical terms, conditions, or diagnoses that may have to be filled out by health workers not by a layman, including conditions during treatment, and drugs are given. So what about the validity of the questionnaire?

Result:

Table 1 shows the delivery mode data. Are the samples that participated in this study postpartum? what about the breastfeeding status of the baby? because breastfeeding for postpartum mothers will affect menstrual patterns

Can the severity of COVID-19 affect menstrual patterns? From the existing paper, it is not clear whether the severity of the COVID-19 patient will have an impact on the menstrual cycle

Discussion:

In the introduction the author explains about "*Hypercoagulable state, a number of changes in circulating prothrombotic factors have been reported or proposed in patients with severe COVID-19. Elevated factor VIII, Elevated fibrinogen, and Circulating prothrombotic microparticles and neutrophil extracellular traps (NETs)*". In this study, the severity of suffering from COVID-19 will also interfere with the menstrual cycle, or will it even cause HMB? Better if it is explained in the discussion

The authors assumed that potential triggers for menstrual abnormalities could be due to the increased stress caused by the pandemic and fear of worsening illness and concerns about awareness as most of our patients are married and have

children. But the author did not investigate stress or anxiety in this study