

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.

The manuscript entitled "Different pattern of menstrual in patients with COVID-19 infections" by Omnia B. Bakr et al is a retrospective study that deals with a current problem. The aim of the study was to evaluate the adverse effects of COVID-19 infection on menstrual cycle in patients that received or not anticoagulants during their treatment. After the In general the manuscript is well-written and discussed and although the study included the evaluation of several parameters, the authors only detected changes in the duration of menstruation cycle regardless the use of anticoagulants. COVID-19 infection would be expected to disrupt other parameters of those analysed. However, any additional information related to the pathogenesis of the disease will contribute to developing and applying other tools to counteract its signs and symptoms.

- The authors have considered the limitations of the study, however, authors must discuss the impact of sexual hormones in the menstrual cycle, not only stress hormones.
- The authors should propose an alternative treatment to women to avoid effects on their menstrual cycles.