

PEER-REVIEW REPORT

Name of	journal:	World]	Journal	of	Clinical	Cases

Manuscript NO: 65649

Title: Effect of intrauterine perfusion of granular leukocyte-colony stimulating factor on the outcome of frozen embryo transfer in patients with thin endometrium: a retrospective study

Reviewer's code: 03282635 Position: Peer Reviewer Academic degree: MD, PhD

Professional title: Senior Researcher

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-03-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-14 06:39

Reviewer performed review: 2021-07-14 08:16

Review time: 1 Hour

Scientific quality	[] Grade A: Excellent [] Grade B: Very good [Y] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish
Language quality	[] Grade A: Priority publishing [Y] Grade B: Minor language polishing [] Grade C: A great deal of language polishing [] Grade D: Rejection
Conclusion	[] Accept (High priority) [] Accept (General priority) [Y] Minor revision [] Major revision [] Rejection
Re-review	[]Yes [Y]No
Peer-reviewer	Peer-Review: [Y] Anonymous [] Onymous



statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This manuscript encompass an interesting reseach question, and presents some potential value including adequate sample size and statistical methods. The manuscript is globally well-written and scientifically sound. However I have some concerns which need to be addressed before publication. Major evidences on frozen blastocyst transfers should be incorporated in the discussion as they are highly relevant for the scopes of the study: 1. CRL of frozen vs fresh is in the first greater trimester; DOI:https://doi.org/10.1016/j.fertnstert.2020.11.035 2. uterine artery PI of frozen vs fresh is lower in the first trimester and across gestation; DOI: 10.1002/uog.21969 3. Ebryonic cryo/thawing does not seem to prevent preterm Birth in IVF pregnancies. doi: 10.1080/14767058.2020.1771690. All evidences cited above (which I strongly reccoment citing and including in the discussion) suggest that IVF pregnancies probably have some elements working against placentation, endometrial receptivity and cardiovascular abnormalities. Moreover, all these issues might imprroved for frozen ET. Therefore this is relevant of the scopes of the authors for which they propose a method to further improve endometrium. May the proposed method be more effective in fresh cycles? Add a short mention to this issue as a speculation in the discussion section. Another weak point is that the biological basis to promote the use of G-CSF on the endometrium ins not highlighted enough in the background. Cite come biological evidences supporting the improvement of endometrium or the csopes of the current study on pregnancy outcome improvement. What are the argument aganst (bacterial or viral contamination of the cavity?) what are the arguments in favour (promotion of cell growth and maturation favouring embryo implantation?). Are there differences between cleaveage stage embryos and blastocyst as far as the scope of the study are



concerned? Please add this data and subanalysis.