

Insights in Obstetrics and Gynaecology

Review Report

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Article Title: Optimisation of Uniplex and Duplex Reactions is not Required for Real-Time PCR Amplification of Target Genes in Endometrial Cancer

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The authors in the current study investigated uniplex and duplex reactions on cannabinoid receptor (CB1) expression in samples of normal endometrial as well as endometrial carcinoma tissue vs three endogenous controls, both as individually and at combined levels. They concluded advantage of TaqMan® duplex qRT-PCR over standard TaqMan® uniplex qRT-PCR, regarding the higher throughput, cost savings in reagents and time, particularly with the limited amount of sample.

Although the study is straight forward and may be of relevance in the selection of the methodological PCR on dealing with endometrial samples, I have some concerns particularly regarding the presentation of findings this study; I summarized them in the points below.

- Language requires revision
- Regarding Figure 2 and 3: It could be clearly mentioned which of the open and filled bars are concerning uniplex and duplex qPCR respectively
- Number of both the control and End Ca samples are quite small to give a confirmatory conclusions.

I have read this submission. I believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.