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Periodontal pathogens in women in treatment of assisted fertilization

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Objective: To determine the prevalence of periodontal pathogens in women undergoing ovarian stimulation for treatment of Assisted Fertilization.

Materials: A cross-sectional study was conducted through a survey and medical history women between 20 and 35 years (n=29) who attended Halitus for assisted fertilization treatment after signing an informed consent. Control group: women (n = 29) who do not perform reproduction treatment, and are not subject to any hormonal therapy. Dependent variable: periodontal disease. Independent Variable: IVF therapy. During controlled ovarian stimulation of mucosal samples were taken by swabbing the oral cavity which was placed in Stuart medium, then the three sites increased probing depth and a part of the selected Gracey curette supragingival plaque was removed, and the other active part pooled sample was placed in VMGA III. It took conducted widespread that then were stained with Giemsa and Gram. Samples were plated to assess anaerobes in 5% blood agar, chocolate agar with 5% Isovitalex and to evaluate CHROMagar Candida Candida spp. Capnophila incubated in 5 days. Then the green colonies were presented study development capacity at 45° C and Api ID32C. Statistical analysis of the data was performed.

Results: There was no statistically significant difference between both groups of women in the presence of *Candida spp.*, *Prevotella intermedia*, *Porphyromonas gingivalis* are constant. The order of increasing prevalence was *C. albicans*, *C. tropicalis*, *C. parapsilosis*, *C. dubliniensis* and *C. guilliermondii*.

Conclusions: The prevalence of periodontal pathogens in women undergoing ovarian stimulation for assisted fertilization treatment is equal to that of women without treatment.

Biography

Brusca Maria Isabel has completed her PhD from Buenos Aires a University and postdoctoral studies from Abierta Interamericana University School of Medicine and from Catholic University. She is the coordinator in investigation group of Abierta Interamericana University, and Professor in Buenos Aires University and Abierta Interamericana University. She has published more than 14 papers in reputed journals.

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