

## Periodontal Disease and Endometriosis among Young Reproductive Age Women

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Periodontal disease and endometriosis are seen to share a common pathogenesis.

**The aim** of this study was to investigate whether or not an association exists between endometriosis and periodontal disease.

**Methods:** 35 women in total were examined in the Medical Center “Maxmeda” in 2018-2019. Only women with symptoms of periodontitis were selected. The anonymous questionnaire was conducted by asking woman how often they have dyspareunia. Women were examined anthropologically, genital transvaginal ultrasound testing was performed after menstruation and blood sample was taken for biochemical analysis. Menstrual bleeding intensity was measured by using the PBAC. STD were examined by the PCR. The serum level of CA125 was determined by IMMULITE 2000 XPi Immunoassay System.

Standard statistical software MS Excel 2018 and SPSS were used for statistical analysis of data. The values of various parameters were estimated to be as accurate as 95% of the final results. Differences were considered statistically reliable when the reliability level was  $p < 0.05$ .

**Results:** The age of examined women ranged from 18 to 25 years. The average age was 22 (95 % CI 21, 07-22,79). Average BMI value was 21,67 ( 95% CI 20,99-22,35).

**Dental examination results:** 46,7%-mild inflammation of the gums, 20,0%-bleeding gums, 16,7%- red or swollen gums, 10,0%-loose of shifting, 6,7%-bad breath, 3,3%- Pain when chewing 3,3%- Loose or sensitive teeth.

Anonymous questionnaire has showed that 87% of woman had dyspareunia. Menstrual bleeding intensity PBAC-min 45, max 93. STD: 83,3%-NO, 10%-Chlamidiosis, 6,7%-herpes genitalis CA125 levels: 3,3%-exceeds thenorm, 96,7%- Norm

**Conclusion:** The results of the present study indicate the existence of a relationship between endometriosis and periodontal disease. These kinds of patients should be not only fully examined by the odontologists but also by other medical doctors.

### Biography:

Kamila Kasilovska is a third year dentistry student at Vilnius University. The most interesting fields are cosmetic dentistry, orthodontics and periodontics.