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Influence of anti estrogen therapy in patients with breast cancer in the bearing of *Candida spp.*

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Objective: To determine the prevalence of yeast species in the evolution of patients with breast cancer treated with antiestrogen therapy.

Materials & Methods: 30 postmenopausal patients who attended the Southern OMI Medical Center were included. The following groups were formed:

Group 1 patients diagnosed with Breast Ca. treated with anti estrogens for less than one year

Group 2 patients diagnosed with Breast Ca. treated with anti estrogen for 1-2 years

Group 3 patients diagnosed with Breast Ca. treated with anti estrogen for 2-5 years

Group 4 patients diagnosed with Breast Ca., who have completed their treatment with anti estrogen. Patients were surveyed about their symptoms, periodontal indices and then oral mucosa sample were taken. Conventional Microbiological examinations for *Candida* species as well as the molecular biology study data were performed.

Results: Microbiological findings showed that a greater variety of species of *Candida* were isolated from patients who used the drug during the first two years (Group 1 and 2). Only 2 species were isolated in patients who used the drug more than two years (Group 3) and those who have completed treatment (Group 4).

Conclusion: The length of intake of anti estrogens influences the growth and species of *Candida*, having a cumulative beneficial effect on the population studied.

Notes: