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The adhesion and the capacity of interaction thereof with the support components, whether teeth mucosa prosthesis (fixed or removable) or orthodontic attachments

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Objective: To evaluate the adhesion of CANDIDA SPP different types of orthodontic ligature.

Materials And Methods: 30 patients of both sexes were included, aged between 18 and 35 years with periodontal health status and indication for orthodontic treatment with fixed appliances with straight wire technique. It was placed in elastic bonding parts 14 and 24 metal piece ligation. Periodontal indices of these pieces were evaluated before placing the bonds and the month with a curette type Gracey the supragingival plaque was removed and the other part of the same sample was taken around the bracket of the pieces under consideration and placed in Eppendorf tube with sterile saline. Likewise to retire the bonds at 30 days were each placed in a tube with the same solution. Yeast species were identified in a chromogenic atmosphere ID API 32 C, 45 C growth and DNA amplification by PCR with PRIMERS PANFUNGICOS. Statistical analysis of data was performed

Results: Probing depth was 1 + 0.7 pre-treatment and three months + 1.14 at sites of second premolars rights. The most prevalent species was Candida albicans (67% of cases), followed by Candida dubliniensis (13.5) with Candida glabrata (7.6%) and other species (11.9%).

Conclusion: The bonds have a higher fungal adhesion than metal adhesion. They can be a niche from which systemic spread of such microorganisms is generated, which can be a risk in patients with immunosuppression.

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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