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Study of the presence of *Candida spp.* in semi-retained third molars

Brusca MI, Brusca L

Universidad Abierta Interamericana, Argentina

Background: The extraction of impacted third molars semi-retained presents little controversy when associated with pathological changes such as infections, unrecoverable carious lesions, cysts, tumors and destruction of adjacent teeth and bone. However, the justification for prophylactic removal of these third molars is less certain and has been debated for many years. The importance of microorganisms septicemia, septic embolization and bacterial endocarditis.

Objective: To study the presence of *Candida spp.* in semi-retained third molars.

Materials & Methods: 150 patients with semi-retained third molars were studied in different positions: mesioangular (n=50), distoangular (n=50) and vertical (n=50). Radiographic study of analog panoramic technique was performed. Buccal mucosa samples were taken with a swab and placed in a test tube with saline solution. And subgingival samples in the third molar with Gracey type were placed in tubes with saline solution. Were performed simultaneously extended coloring with Gram technique and Giemsa. Conventional microbiological tests were performed. Statistical data analysis (Chi Square) with an alpha error of 0.05 (95%) and a power of 80% was conducted.

Results: The difference was statistically significant ($p=0.02$) in the bearing of *Candida spp.* between mesioangular third molars and the other two positions. The buccal mucosa did not show statistically significant differences in the different positions. In mesioangulares, it was found more than one species of *Candida* in each molar. The prevalence of *Candida* in decreasing order was *C. albicans*, *Candida dubliniensis* followed, *C. glabrata*, tropical *Candida* and *Candida krusei*.

Conclusions: Patients with third molars semi-retained are carriers of *Candida spp.*

Biography

Brusca Maria Isabel has completed her PhD from Buenos Aires 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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