

## Clinic and histopathologic aspects of chronic hyperplastic candidiasis in oral mucosa



Paulo Sergio Souza Pina  
University of Sao Paulo, Brazil

### Abstract

Candida is a dimorphic microorganism commonly found in the gastrointestinal tract, skin and mucous membranes of humans. In the yeast phase, the fungus is not pathogenic and may be present in the oral cavity of healthy individuals. Oral candidiasis is generally classified into four groups, and the hyperplastic variant is represented by a chronic infection, characterized by an epithelial hyperplasia of the host. Specifically, these lesions are difficult to differentiate from leukoplakias and they also have been associated with an increased chance of developing dysplasias and malignant lesions. The aim of this work was to analyze the incidence of chronic hyperplastic candidiasis in an Oral Pathology Service, intending to demonstrate the occurrence of these infections in the oral cavity as well as to evaluate the histology of the specimens to define the anatomopathological aspects that better characterize them. For the characterization of the samples, the clinical data of the patients and the aspects of the lesions were collected. Subsequently, the histopathological analysis of the sections was performed under light microscopy, and the hematoxylin-eosin and periodic acid Schiffer staining were used to evaluate the microscopic characteristics and the presence of Candida, respectively. The professionals who performed the biopsies were contacted to obtain information about the evolution of the lesion and the patient. In general, clinically, the lesions appeared as an asymptomatic nodule or white plaque on the tongue or buccal mucosa. Histologically, the presence of epithelial hyperplasia, exocytosis and mononuclear inflammatory infiltrate were the most noted. After contacting the professionals, some "follow-ups" were obtained.



### Biography:

Paulo Sergio Souza Pina is an MD, PhD Student, Department of Oral Pathology, School of Dentistry, University of São Paulo, 2227 Professor Lineu Prestes Avenue, Cidade Universitária, São Paulo, SP, Brazil.

### Speaker Publications:

1. "Low-grade intraductal carcinoma of the lower lip"; Endorium Journals, June 2020
2. "Histopathologic aspects of the so-called chronic hyperplastic candidiasis: an analysis of 36 cases"; Journal of Cutaneous Pathology, September 16, 2020
3. "Micropropagation of Croton antisiphiliticus Mart."; Journal Rural Science, volume-41, Issue-10, pages- 1712-1718
4. "Gingival Cyst of the adult :A Report of an Unusual Ellison " Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, Vol 129, Issue 1, E69, January 01, 2020
5. "Unusual multiple dentigerous cysts evaluated by cone beam computed tomography: a case report on non-syndromic patient" Brazilian journal of otorhinolaryngology, June 2020

[43<sup>rd</sup> International Conference on Dental Research and Oral Health 2020](#); Webinar, October 26-27, 2020.

### Abstract Citation:

"Clinic and histopathologic aspects of chronic hyperplastic candidiasis in oral mucosa"Dental Research and Oral Health 2020, 43<sup>rd</sup> International Conference on Dental Research and Oral Health Webinar, October 26-27, 2020.

(<https://dentalresearch.dentalcongress.com/abstract/2020/clinic-and-histopathologic-aspects-of-chronic-hyperplastic-candidiasis-in-oral-mucosa>)